Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1626GMS

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	JUL 20	Powerful new interactive analysis and visualization software, STN AnaVist, now available
NEWS	4	AUG 11	STN AnaVist workshops to be held in North America
NEWS	5	AUG 30	CA/CAplus -Increased access to 19th century research documents
NEWS	6	AUG 30	CASREACT - Enhanced with displayable reaction conditions
NEWS	7	SEP 09	ACD predicted properties enhanced in REGISTRY/ZREGISTRY
NEWS	8	OCT 03	MATHDI removed from STN
NEWS	9	OCT 04	CA/CAplus-Canadian Intellectual Property Office (CIPO) added to core patent offices
NEWS	10	OCT 06	STN AnaVist workshops to be held in North America
NEWS	11	OCT 13	New CAS Information Use Policies Effective October 17, 2005

NEWS EXPRESS	JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 09:16:25 ON 16 OCT 2005

=>
Uploading
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Do you want to switch to the Registry File?
Choice (Y/n):
Switching to the Registry File...

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 09:16:40 ON 16 OCT 2005

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 14 OCT 2005 HIGHEST RN 865347-39-3
DICTIONARY FILE UPDATES: 14 OCT 2005 HIGHEST RN 865347-39-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

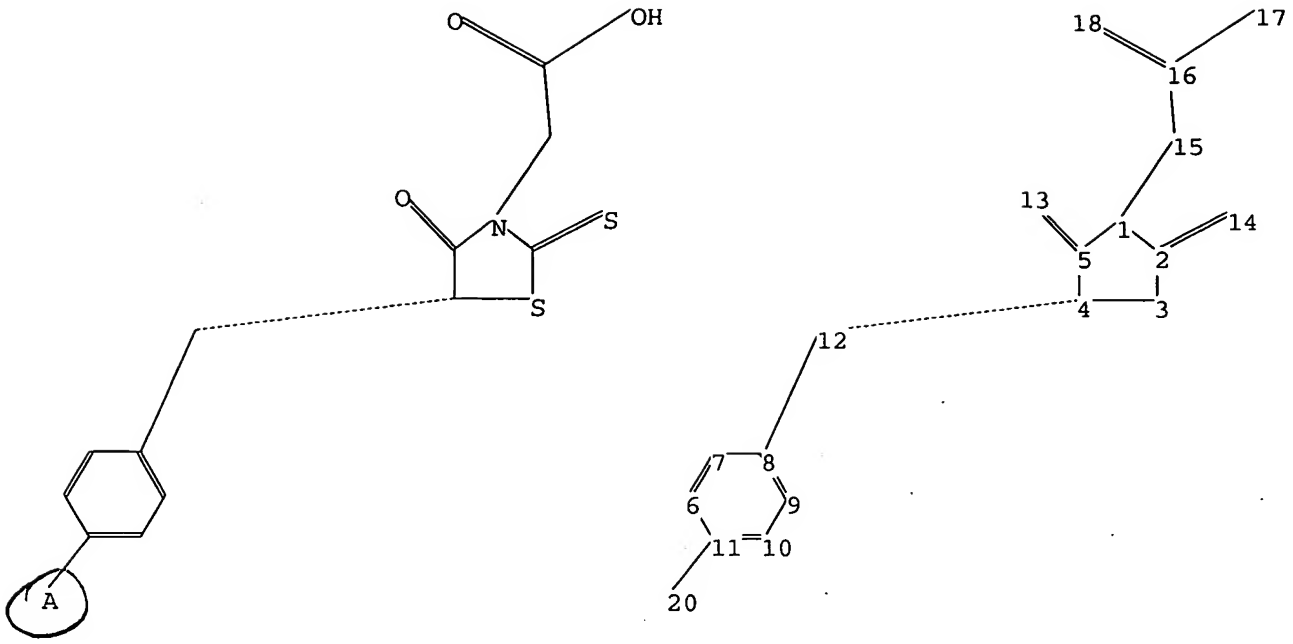
```
**********************************************************************
*                                                                    *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,    *
* effective March 20, 2005. A new display format, IDERL, is now      *
* available and contains the CA role and document type information. *
*                                                                    *
**********************************************************************
```

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

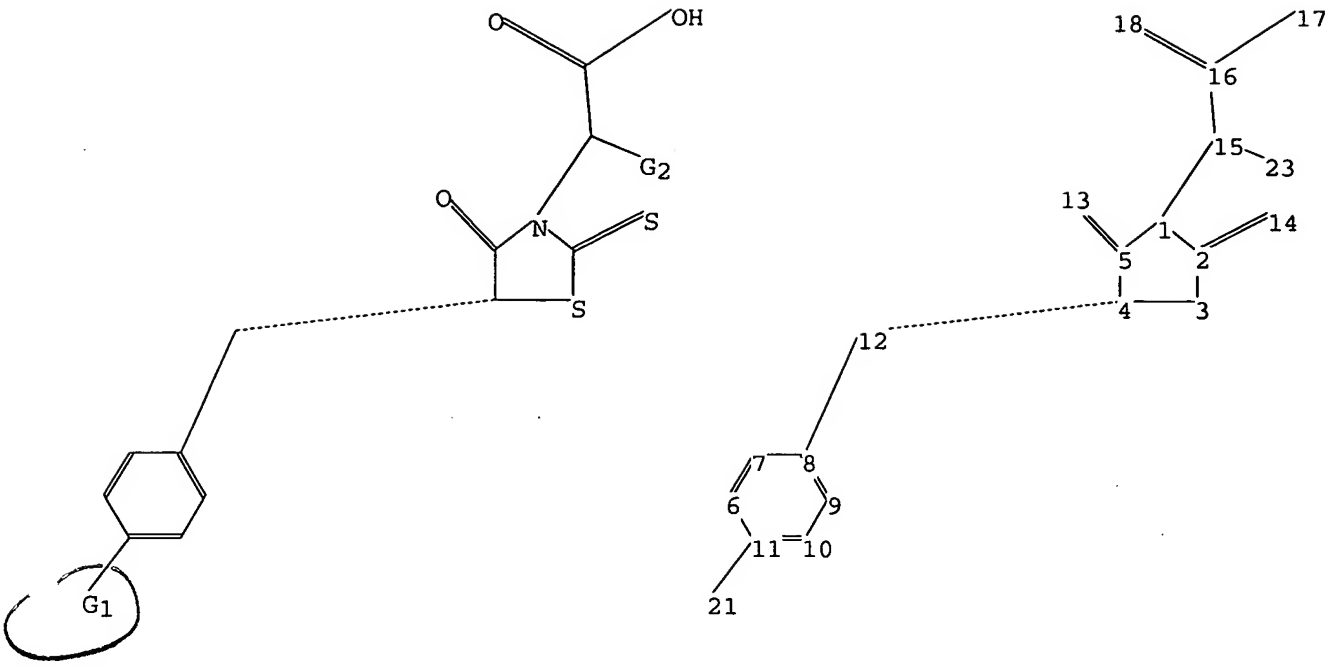
=>
Uploading C:\Program Files\Stnexp\Queries\10802902.str



chain nodes :
12 13 14 15 16 17 18 20
ring nodes :
1 2 3 4 5 6 7 8 9 10 11
chain bonds :
1-15 2-14 4-12 5-13 8-12 11-20 15-16 16-17 16-18
ring bonds :
1-2 1-5 2-3 3-4 4-5 6-7 6-11 7-8 8-9 9-10 10-11
exact/norm bonds :
1-2 1-5 1-15 2-14 4-12 5-13 11-20
exact bonds :
2-3 3-4 4-5 8-12 15-16
normalized bonds :
6-7 6-11 7-8 8-9 9-10 10-11 16-17 16-18
isolated ring systems :
containing 1 : 6 :

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
20:CLASS

```
L1      STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1              STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l1
SAMPLE SEARCH INITIATED 09:16:58 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      277 TO ITERATE

100.0% PROCESSED      277 ITERATIONS                                32 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         4542 TO     6538
PROJECTED ANSWERS:             301 TO      979

L2           32 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 09:17:05 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     5651 TO ITERATE

100.0% PROCESSED     5651 ITERATIONS                               795 ANSWERS
SEARCH TIME: 00.00.01

L3          795 SEA SSS FUL L1

=>
Uploading C:\Program Files\Stnexp\Queries\10802902a.str
```



chain nodes :
12 13 14 15 16 17 18 21 23
ring nodes :
1 2 3 4 5 6 7 8 9 10 11
chain bonds :
1-15 2-14 4-12 5-13 8-12 11-21 15-16 15-23 16-17 16-18
ring bonds :
1-2 1-5 2-3 3-4 4-5 6-7 6-11 7-8 8-9 9-10 10-11
exact/norm bonds :
1-2 1-5 1-15 2-14 4-12 5-13 11-21 15-23
exact bonds :
2-3 3-4 4-5 8-12 15-16
normalized bonds :
6-7 6-11 7-8 8-9 9-10 10-11 16-17 16-18
isolated ring systems :
containing 1 : 6 :

G1:X,Ph,OH,MeO,EtO,NH

G2:CH3,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
21:CLASS 23:CLASS

L4 STRUCTURE UPLOADED

=> d l4
L4 HAS NO ANSWERS
L4 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l4
SAMPLE SEARCH INITIATED 09:21:03 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 133 TO ITERATE

100.0% PROCESSED 133 ITERATIONS 5 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 1969 TO 3351
PROJECTED ANSWERS: 5 TO 233

L5 5 SEA SSS SAM L4

=> s l4 sss full
FULL SEARCH INITIATED 09:21:10 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 2933 TO ITERATE

100.0% PROCESSED 2933 ITERATIONS 140 ANSWERS
SEARCH TIME: 00.00.01

L6 140 SEA SSS FUL L4

=> d his

(FILE 'HOME' ENTERED AT 09:16:25 ON 16 OCT 2005)

FILE 'REGISTRY' ENTERED AT 09:16:40 ON 16 OCT 2005
L1 STRUCTURE UPLOADED
L2 32 S L1
L3 795 S L1 SSS FULL
L4 STRUCTURE UPLOADED
L5 5 S L4
L6 140 S L4 SSS FULL

=> FIL HCAPLUS
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 325.67 325.88

FILE 'HCAPLUS' ENTERED AT 09:22:09 ON 16 OCT 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

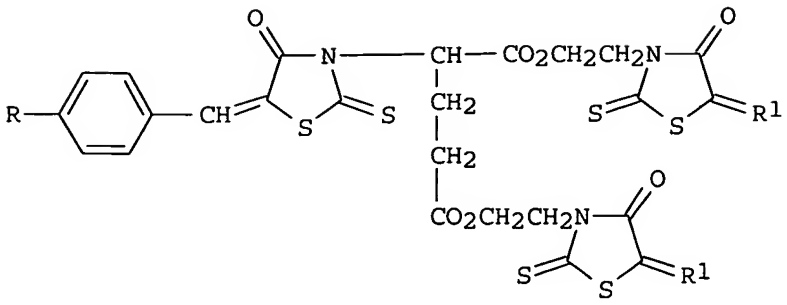
FILE COVERS 1907 - 16 Oct 2005 VOL 143 ISS 17
FILE LAST UPDATED: 14 Oct 2005 (20051014/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s l3
L7          111 L3

=> s l6
L8           31 L6

=> s l8 and py<=1999
      19940349 PY<=1999
L9           19 L8 AND PY<=1999

=> s l7 and py<=1999
      19940349 PY<=1999
L10          65 L7 AND PY<=1999

=> s l10 p/dt
MISSING OPERATOR L10 P/DT
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s l10 and p/dt
       5016905 P/DT
L11          30 L10 AND P/DT

=> s l11 and us/pc
       1478993 US/PC
L12          10 L11 AND US/PC

=> d l9 ibib abs hitstr tot

L9   ANSWER 1 OF 19  HCAPLUS  COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER:         1996:512638  HCAPLUS
DOCUMENT NUMBER:          125:221685
TITLE:                    Synthesis of tricyclic rhodanine esters
AUTHOR(S):                Lesyk, R. B.
CORPORATE SOURCE:         L'vov. Gos. Med. Inst., Lvov, Ukraine
SOURCE:                   Farmatsévtichnii Zhurnal (Kiev) (1995), (4),
                          79-81
                          CODEN: FRZKAP; ISSN: 0367-3057
PUBLISHER:                Zdorov'ya
```

DOCUMENT TYPE: Journal
LANGUAGE: Ukrainian
GI



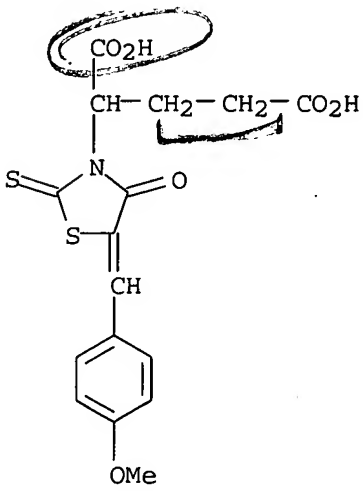
I

AB Title compds. I (R = H, MeO; R1 = H2, 4-methoxybenzylidene, 3,4-dimethoxybenzylidene, 4-chlorobenzylidene, 2-hydroxybenzylidene, etc.) were prepared from (arylidenerhodaninyl)pentanedioyl chlorides and 3-(2-hydroxyethyl)rhodanine. I showed moderate antimicrobial activity.

IT **167642-68-4**
RL: RCT (Reactant); RACT (Reactant or reagent)
(conversion to acid chloride)

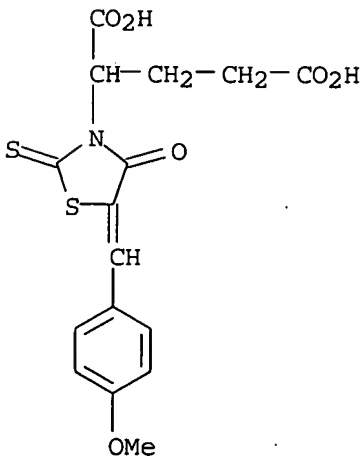
RN 167642-68-4 HCAPLUS

CN Pentanedioic acid, 2-[5-[(4-methoxyphenyl)methylene]-4-oxo-2-thioxo-3-thiazolidinyl]- (9CI) (CA INDEX NAME)



L9 ANSWER 2 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1995:384040 HCAPLUS
DOCUMENT NUMBER: 123:198687
TITLE: Synthesis of biologically active tricyclic rhodanine diamides based on glutamic or aspartic acids
AUTHOR(S): Gorishniy, V. Y.; Lesyk, R. B.
CORPORATE SOURCE: Russia
SOURCE: Farmatsevtichnii Zhurnal (Kiev) (**1994**), (2), 52-6

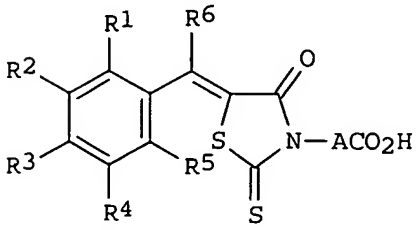
CODEN: FRZKAP; ISSN: 0367-3057
PUBLISHER: Zdorov'ya
DOCUMENT TYPE: Journal
LANGUAGE: Ukrainian
OTHER SOURCE(S): CASREACT 123:198687
AB There have been obtained anhydrides and acyl chlorides of 5-benzylidene-3-(dicarboxyalkyl)rhodanine. The latter reacts on 4-aminoantipyrine or 3-aminorhodanine to give a series of tricyclic noncondensed rhodanine diamides. Synthesized diamide, having two antipyrine substituents, show antiinflammatory activity while tricyclic noncondensed derivs. of rhodanine and their 3-benzylidene substituents show sufficient antimicrobial activity.
IT **167642-68-4**
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of biol. active tricyclic rhodanine diamides based on glutamic or aspartic acids)
RN 167642-68-4 HCAPLUS
CN Pentanedioic acid, 2-[5-[(4-methoxyphenyl)methylene]-4-oxo-2-thioxo-3-thiazolidinyl]- (9CI) (CA INDEX NAME)



L9 ANSWER 3 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1995:380326 HCAPLUS
DOCUMENT NUMBER: 122:160632
TITLE: Preparation of arylidene-4-oxo-2-thioxo-3-thiazolidinecarboxylic acid antiatherosclerotics and antihypercholesteremics
INVENTOR(S): Reiter, Rudolph; Voss, Edgar
PATENT ASSIGNEE(S): Boehringer Mannheim G.m.b.H., Germany
SOURCE: Ger. Offen., 13 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4318550	A1	19941208	DE 1993-4318550	19930604 <--
WO 9429287	A1	19941222	WO 1994-EP1749	19940528 <--

W: AU, BG, BR, CA, CN, CZ, FI, HU, JP, KR, KZ, NO, NZ, PL, RO, RU, SI, SK, UA, US
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
AU 9469983 A1 19950103 AU 1994-69983 19940528 <--
PRIORITY APPLN. INFO.: DE 1993-4318550 A 19930604
WO 1994-EP1749 W 19940528
OTHER SOURCE(S): MARPAT 122:160632
GI



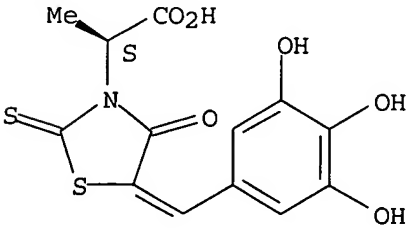
I

AB The title compds. [I; A = (un)branched (un)substituted alkylene; R1-R5 = H, alkyl OH, acyloxy, alkoxy, etc.] [e.g., 5-[(3,4-dihydroxyphenyl)methylene]-4-oxo-2-thioxo-3-thiazolidineacetic acid; m.p. 243° (decomposition)], useful as antiatherosclerotics (no data), antihypercholesteremics (no data), as well as for the treatment and prophylaxis of diabetic sequelae (no data), are prepared

IT **161192-64-9P 161192-65-0P 161192-66-1P 161192-67-2P**
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of arylidene-4-oxo-2-thioxo-3- thiazolidinecarboxylic acid antiatherosclerotics and antihypercholesteremics)

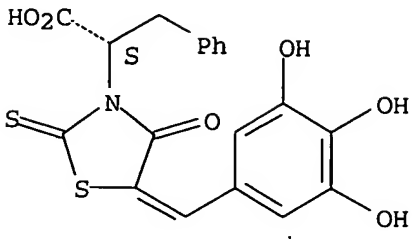
RN 161192-64-9 HCAPLUS
CN 3-Thiazolidineacetic acid, α-methyl-4-oxo-2-thioxo-5-[(3,4,5-trihydroxyphenyl)methylene]-, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.

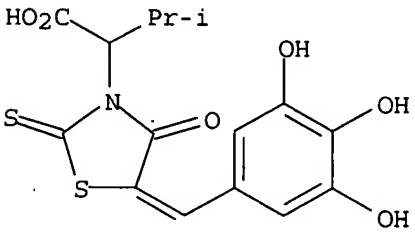


RN 161192-65-0 HCAPLUS
CN 3-Thiazolidineacetic acid, 4-oxo-α-(phenylmethyl)-2-thioxo-5-[(3,4,5-trihydroxyphenyl)methylene]-, (S)- (9CI) (CA INDEX NAME)

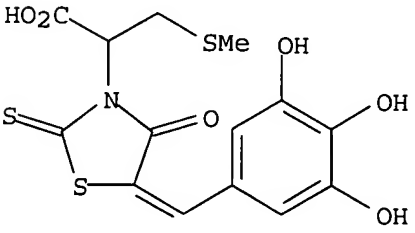
Absolute stereochemistry.
Double bond geometry unknown.



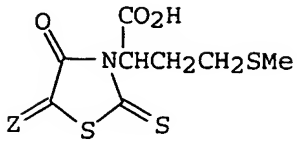
RN 161192-66-1 HCAPLUS
CN 3-Thiazolidineacetic acid, α-(1-methylethyl)-4-oxo-2-thioxo-5-[(3,4,5-trihydroxyphenyl)methylene]- (9CI) (CA INDEX NAME)



RN 161192-67-2 HCAPLUS
CN 3-Thiazolidineacetic acid, α-[(methylthio)methyl]-4-oxo-2-thioxo-5-[(3,4,5-trihydroxyphenyl)methylene]- (9CI) (CA INDEX NAME)



L9 ANSWER 4 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1984:490809 HCAPLUS
DOCUMENT NUMBER: 101:90809
TITLE: Synthesis of methionine-based rhodanines
AUTHOR(S): Yakubich, V. I.; Gritsyuk, L. V.
CORPORATE SOURCE: Med. Inst., Lvov, USSR
SOURCE: Farmatsevtichnii Zhurnal (Kiev) (**1984**), (1), 40-3
CODEN: FRZKAP; ISSN: 0367-3057
DOCUMENT TYPE: Journal
LANGUAGE: Ukrainian
OTHER SOURCE(S): CASREACT 101:90809
GI



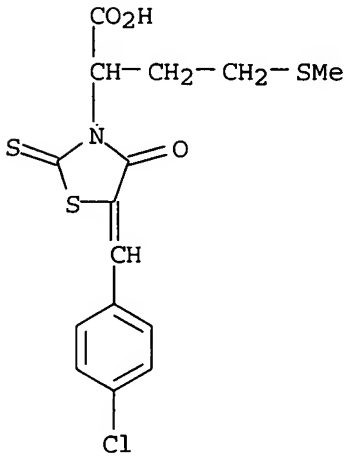
I

AB Treating methionine with CS2 in aqueous KOH gave the intermediate MeSCH2CH2CH(NHCS2K)CO2K, cyclocondensation of which with ClCH2CO2K gave 72% rhodamine I (Z = H2) (II). II condensed with 16 aromatic aldehydes, isatin and 1-methylisatin to give the corresponding I (Z = arylidene) in 52-99% yield.

IT **90812-37-6P 90812-38-7P 90812-39-8P**
90812-40-1P 90812-41-2P 90812-42-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

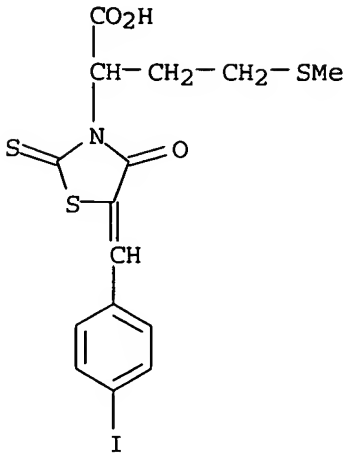
RN 90812-37-6 HCAPLUS

CN 3-Thiazolidineacetic acid, 5-[(4-chlorophenyl)methylene]-α-[2-(methylthio)ethyl]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)

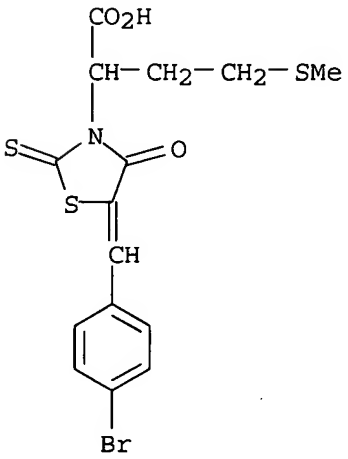


RN 90812-38-7 HCAPLUS

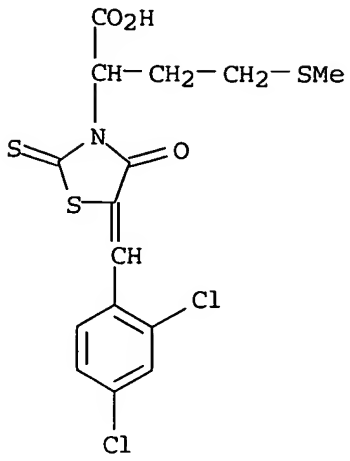
CN 3-Thiazolidineacetic acid, 5-[(4-iodophenyl)methylene]-α-[2-(methylthio)ethyl]-4-oxo-2-thioxo- (9CI). (CA INDEX NAME)



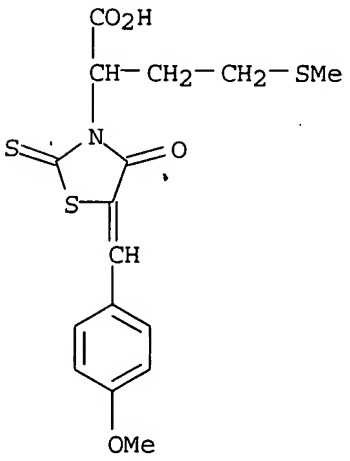
RN 90812-39-8 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[(4-bromophenyl)methylene]-α-[2-(methylthio)ethyl]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



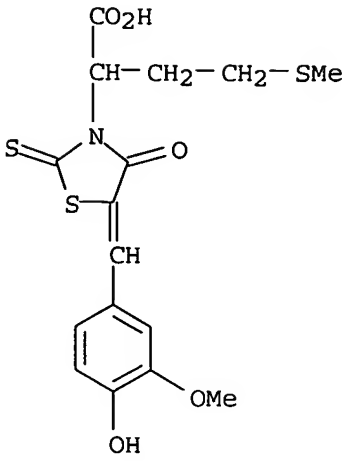
RN 90812-40-1 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[(2,4-dichlorophenyl)methylene]-α-[2-(methylthio)ethyl]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



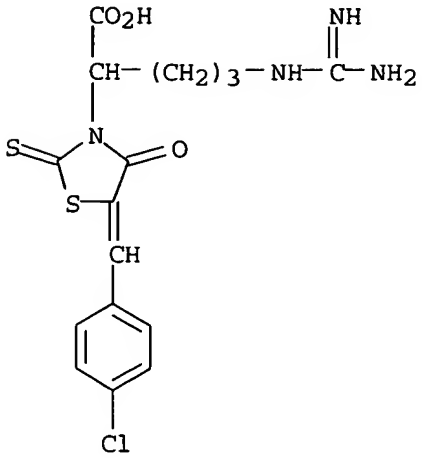
RN 90812-41-2 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[(4-methoxyphenyl)methylene]-α-[2-(methylthio)ethyl]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



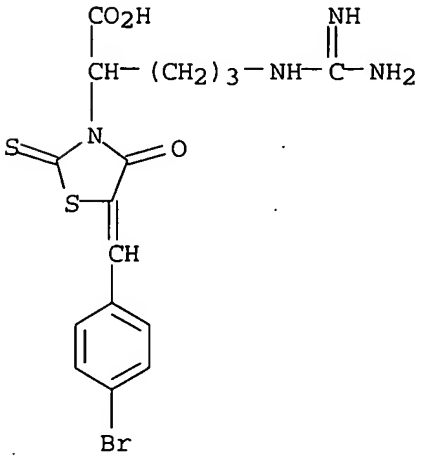
RN 90812-42-3 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[(4-hydroxy-3-methoxyphenyl)methylene]-α-[2-(methylthio)ethyl]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



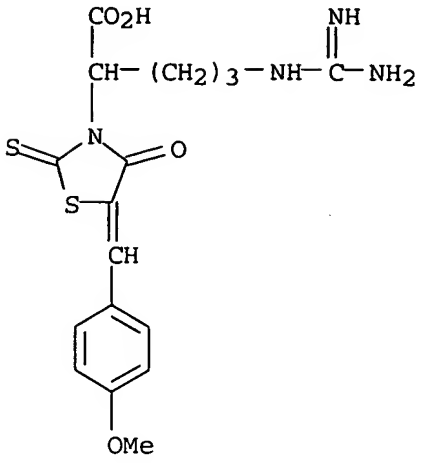
L9 ANSWER 5 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1972:78766 HCAPLUS
DOCUMENT NUMBER: 76:78766
TITLE: Electronic spectra of 3-(α-carboxy-δ-guanidino)butylrhodanine and its 5-derivatives
AUTHOR(S): Kovaliv, Yu. D.
CORPORATE SOURCE: Lvov Sci.-Res. Inst. Hematol. Blood Transfus., Lvov, USSR
SOURCE: Farmatsevtichnii Zhurnal (Kiev) (**1971**), 26(6), 8-11
CODEN: FRZKAP; ISSN: 0367-3057
DOCUMENT TYPE: Journal
LANGUAGE: Ukrainian
AB The electronic absorption spectra of 3-(α-carboxy-δ-guanidino)butylrhodanine (I) and of a series of its 5-arylidene derivatives were measured to study the effect of the substituents on the spectral characteristics of I. The observed bands with maxs. at 265 and 295-296 nm are attributed to the presence of the -N-C:S and -S-C:S groups, resp. The presence of substituents in the position-5 leads, in some cases, to bathochromic shifts in the maximum The most characteristic feature of the spectra is the appearance of an intensive K-band with a maximum at 370-465 nm, which is attributed to the presence of a conjugated chain with 5 double bonds.
IT **26069-82-9 26069-83-0 26074-96-4**
RL: PRP (Properties)
(electronic spectrum of)
RN 26069-82-9 HCAPLUS
CN 3-Thiazolidineacetic acid, α-[3-[(aminoiminomethyl)amino]propyl]-5-[(4-chlorophenyl)methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



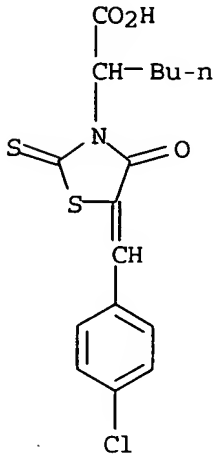
RN 26069-83-0 HCAPLUS
CN 3-Thiazolidineacetic acid, α-[3-[(aminoiminomethyl)amino]propyl]-5-[(4-bromophenyl]methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



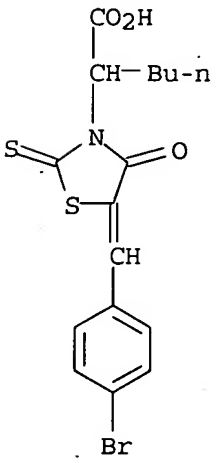
RN 26074-96-4 HCAPLUS
CN 3-Thiazolidineacetic acid, α-[3-[(aminoiminomethyl)amino]propyl]-5-[[(4-methoxyphenyl)methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



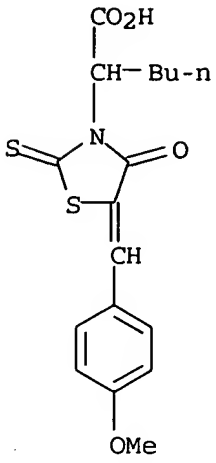
L9 ANSWER 6 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1971:442600 HCAPLUS
DOCUMENT NUMBER: 75:42600
TITLE: Electronic spectra of 3-α-carboxypentylrhodanine and of its 5-derivatives
AUTHOR(S): Kovaliv, Yu. D.
CORPORATE SOURCE: Sci. Res. Inst. Hematol. Blood Transfus., Lvov, USSR
SOURCE: Farmatsevtichnii Zhurnal (Kiev) (**1971**), 26(2), 25-8
CODEN: FRZKAP; ISSN: 0367-3057
DOCUMENT TYPE: Journal
LANGUAGE: Ukrainian
AB The uv spectrum of 3-α-carboxypentylrhodanine consists of 2 bands, at 265 and 300 nm. The introduction of 5-arylidene substituents (PhCH:, m-O2NC6H4CH:, p-O2NC6H4CH:, p-ClC6H4CH:, p-BrC6H4CH:, p-Me2NC6H4CH:, p-MeOC6H4CH:, 3,4-(MeO)2C6H3CH:, PhCH:CHCH:, and 9-anthrylmethylene causes the appearance of characteristic high intensity (log ε = 4.12 - 4.86) K band in the 369-455-nm region. The other characteristic bands are at 220-241, 253-281, and 288-334 nm.
IT **21468-82-6 21468-83-7 21468-85-9 21468-86-0**
RL: PRP (Properties)
(spectrum of, uv)
RN 21468-82-6 HCAPLUS
CN 3-Thiazolidineacetic acid, α-butyl-5-(p-chlorobenzylidene)-4-oxo-2-thioxo- (8CI) (CA INDEX NAME)



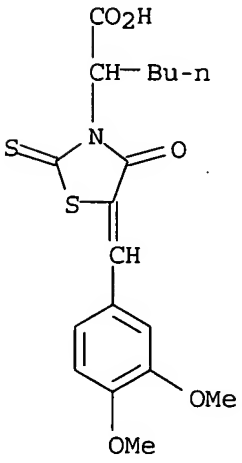
RN 21468-83-7 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-(p-bromobenzylidene)-α-butyl-4-oxo-2-thioxo- (8CI) (CA INDEX NAME)



RN 21468-85-9 HCAPLUS
CN 3-Thiazolidineacetic acid, α-butyl-5-(p-methoxybenzylidene)-4-oxo-2-thioxo- (8CI) (CA INDEX NAME)



RN 21468-86-0 HCAPLUS
CN 3-Thiazolidineacetic acid, α-butyl-4-oxo-2-thioxo-5-veratrylidene- (8CI) (CA INDEX NAME)

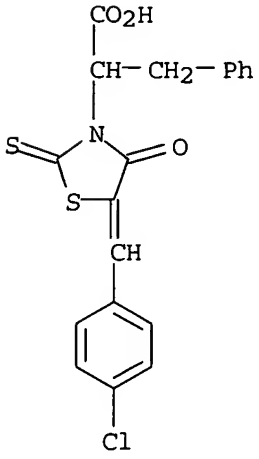


L9 ANSWER 7 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1970:31675 HCAPLUS
DOCUMENT NUMBER: 72:31675
TITLE: Synthesis and properties of rhodanines obtained from β-phenyl-α-alanine
AUTHOR(S): Kopiichuk, I. I.
CORPORATE SOURCE: Lvov Med. Inst., Lvov, USSR
SOURCE: Farmatsevtichnii Zhurnal (Kiev) (**1969**), 24(4), 26-9
CODEN: FRZKAP; ISSN: 0367-3057
DOCUMENT TYPE: Journal
LANGUAGE: Ukrainian
GI For diagram(s), see printed CA Issue.
AB Phenylalanine (0.25 mole), 0.5 mole KOH, and 0.25 mole CS2 was stirred 3 hr in 160 ml H2O, 0.25 mole ClCH2CO2H, neutralized with K2CO3, added, the mixture stirred 30 min, 100 ml boiling concentrated HCl added, the mixture heated 20

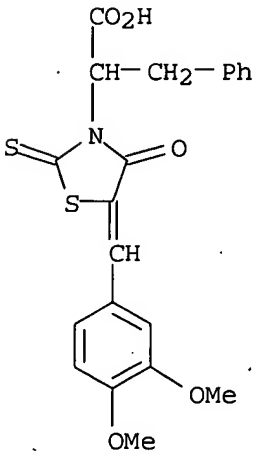
min, and the formed oil washed with H2O to give 79.5% I (R = H2) (II), m. 170-3°. II and an aldehyde (0.005 mole each), 1 g anhydrous NaOAc, and 10 ml HOAc was heated 3 hr to give I (R, % yield, and m.p. given): PhCH, 59.8, 196-8°; p-O2NC6H4CH, 88.6, 204-6°; m-O2NC6H4CH, 88.5, 132-3°; p-ClC6H4CH, 89.1, 174-5°; o-HOC6H4CH, 69.4, 202-3°; veratrylidene, 69.1, 152-3°; p-Me2NC6H4CH, 88.4, 203-5°; PhCH:CHCH, 61.0, 140-2°; 9-anthralidene (9-anthrylmethylene), 64.1, 99-101°; furfurylidene, 69.6, 143-5°. Spectral data were reported. I had antituberculous activity.

IT **24834-72-8P 24834-74-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

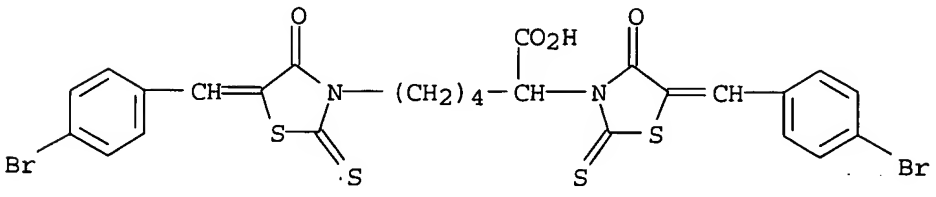
RN 24834-72-8 HCAPLUS
CN 3-Thiazolidineacetic acid, α-benzyl-5-(p-chlorobenzylidene)-4-oxo-2-thioxo- (8CI) (CA INDEX NAME)



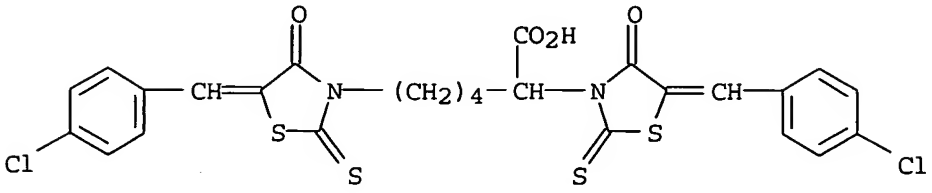
RN 24834-74-0 HCAPLUS
CN 3-Thiazolidineacetic acid, α-benzyl-4-oxo-2-thioxo-5-veratrylidene- (8CI) (CA INDEX NAME)



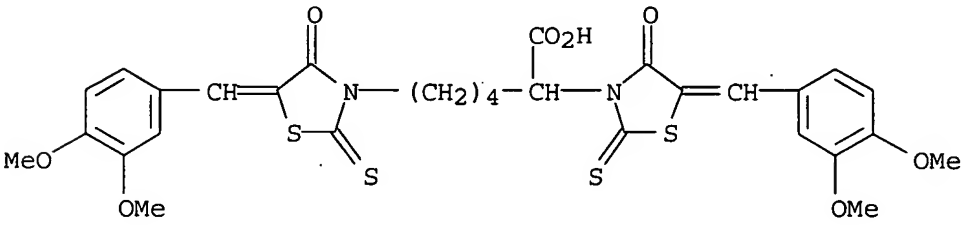
L9 ANSWER 8 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1970:27980 HCAPLUS
DOCUMENT NUMBER: 72:27980
TITLE: Rhodanine-3-carboxylic acid derivatives as reagents for inorganic analysis
AUTHOR(S): Kovaliv, Yu. D.; Turkevich, B. M.
CORPORATE SOURCE: Lvov Sci.-Res. Inst. Hematol. Blood Transfus., Lvov, USSR
SOURCE: Farmatsevtichnii Zhurnal (Kiev) (1969), 24(5), 28-34
CODEN: FRZKAP; ISSN: 0367-3057
DOCUMENT TYPE: Journal
LANGUAGE: Ukrainian
GI For diagram(s), see printed CA Issue.
AB The following derivs. of the title acid were obtained and used for detection of cations (R in I, II, and III and corresponding m.p. given): H2, 82-3°, 95-6°, 190-2°; PhCH, 134-5°, 202-4°, 255-6°; m-O2NC6H4CH, 150-2°, 183-5°, 245-7°; p-O2NC6H4CH, 162-3°, 234-5°, 183-5°; p-ClC6H4CH, 177-8°, 240-1°, 255-6°; p-BrC6H4CH, 179-80°, 240-1°, 274-5°; p-Me2NC6H4CH, 187-8°, 110-12°, 275-7°; p-MeOC6H4CH, 145-6°, 211-12°, 258-9°; 1,2-(MeO)2C6H4CH, 97-8°, 146-8°, 260-1°; PhCH:CHCH, 141-2°, 162-4°, 242-3°; 9-anthranylidene, 80-1°, 230-2°, 258-60°. The derivs. were sensitive reagents for Ag+, Au3+, Pt4+, and Pd2+ (detection limits 0.1-1 μg), and less sensitive to Cu2+ and Hg2+. The reagents gave color spots with the cations when detected by paper chromatog. The most sensitive for Cu2+ (0.02 μg) were I with R = p-Me2NC6H4CH and 9-anthranylidene, and for Hg2+ p-Me2NC6H4CH derivs. of I-III and the veratrylidene derivative of II. For Pt4+ the most sensitive was the parent acid of II and the veratrylidene derivative of III (0.1 γ). Unsubstituted acids gave characteristic reactions only for Cu2+, Ag+, Au3+, Pt4+, and Pd2+. Introduction of arylidene substituents in position 5 of the rhodanine ring did not generally enhance sensitivity for cations. The most sensitive of the arylidene derivs. of the 3 acids were those of i. p-Me2NC6H4CH derivative of I was the characteristic reagent for Zn2+ an d the same derivative of III proved the group reagent for Zn2+, Co2+, Ni 2+, Y3+, In3+, Pr3+, Sm3+, Gd3+, Nd3+, Er3+, Th4+, Yb3+, La3+, and Ce4+.
IT **13112-37-3 13185-06-3 13185-07-4 21468-82-6 21468-83-7 21468-85-9 21468-86-0 26069-76-1 26069-82-9 26069-83-0 26074-96-4 26074-97-5**
RL: ANST (Analytical study)
(in detection of metal ions)
RN 13112-37-3 HCAPLUS
CN Hexanoic acid, 2,6-bis[5-(p-bromobenzylidene)-4-oxo-2-thioxo-3-thiazolidinyl]- (8CI) (CA INDEX NAME)



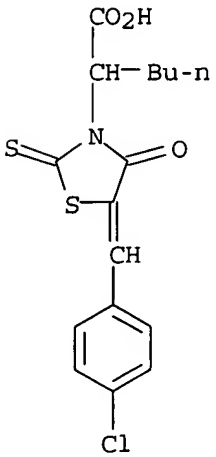
RN 13185-06-3 HCAPLUS
CN Hexanoic acid, 2,6-bis[5-(p-chlorobenzylidene)-4-oxo-2-thioxo-3-thiazolidinyl]- (8CI) (CA INDEX NAME)



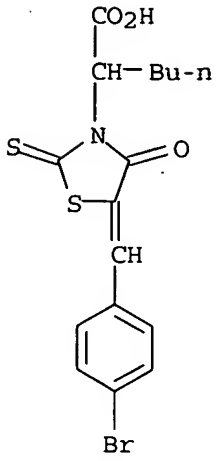
RN 13185-07-4 HCAPLUS
CN Hexanoic acid, 2,6-bis(4-oxo-2-thioxo-5-veratrylidene-3-thiazolidinyl)- (8CI) (CA INDEX NAME)



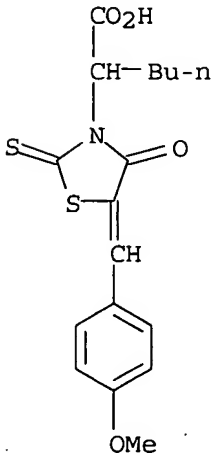
RN 21468-82-6 HCAPLUS
CN 3-Thiazolidineacetic acid, α-butyl-5-(p-chlorobenzylidene)-4-oxo-2-thioxo- (8CI) (CA INDEX NAME)



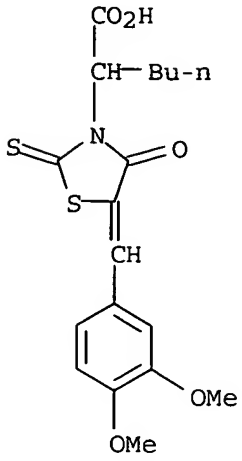
RN 21468-83-7 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-(p-bromobenzylidene)-α-butyl-4-oxo-2-thioxo- (8CI) (CA INDEX NAME)



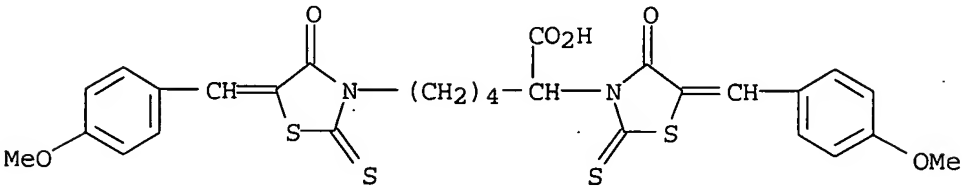
RN 21468-85-9 HCAPLUS
CN 3-Thiazolidineacetic acid, α-butyl-5-(p-methoxybenzylidene)-4-oxo-2-thioxo- (8CI) (CA INDEX NAME)



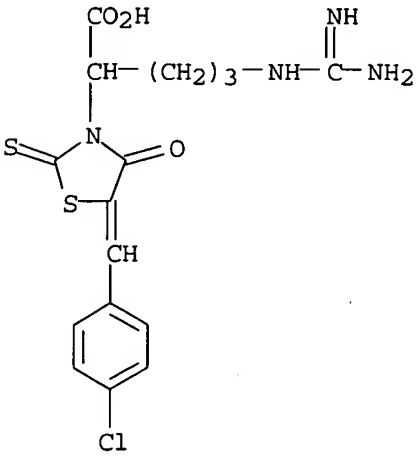
RN 21468-86-0 HCAPLUS
CN 3-Thiazolidineacetic acid, α-butyl-4-oxo-2-thioxo-5-veratrylidene- (8CI) (CA INDEX NAME)



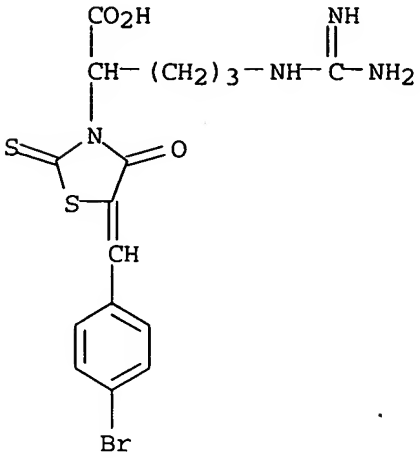
RN 26069-76-1 HCAPLUS
CN Hexanoic acid, 2,6-bis[5-(p-methoxybenzylidene)-4-oxo-2-thioxo-3-thiazolidinyl]- (8CI) (CA INDEX NAME)



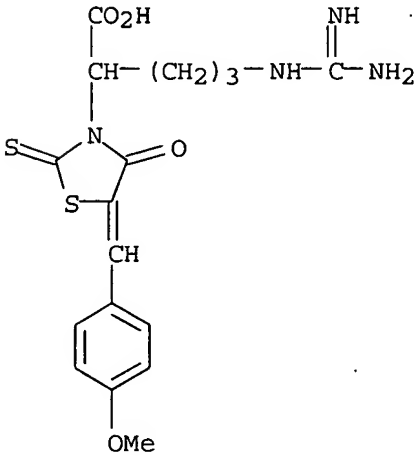
RN 26069-82-9 HCAPLUS
CN 3-Thiazolidineacetic acid, α-[3-[(aminoiminomethyl)amino]propyl]-5-[(4-chlorophenyl)methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



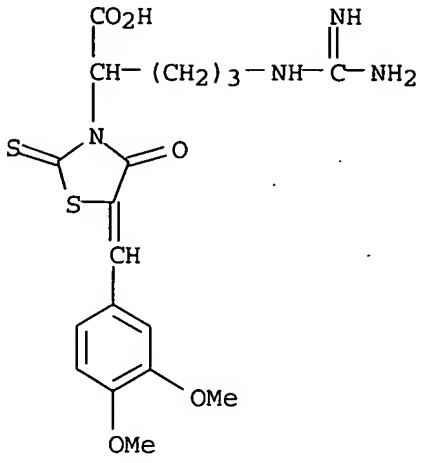
RN 26069-83-0 HCAPLUS
CN 3-Thiazolidineacetic acid, α-[3-[(aminoiminomethyl)amino]propyl]-5-[(4-bromophenyl]methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



RN 26074-96-4 HCAPLUS
CN 3-Thiazolidineacetic acid, α-[3-[(aminoiminomethyl)amino]propyl]-5-[[(4-methoxyphenyl)methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



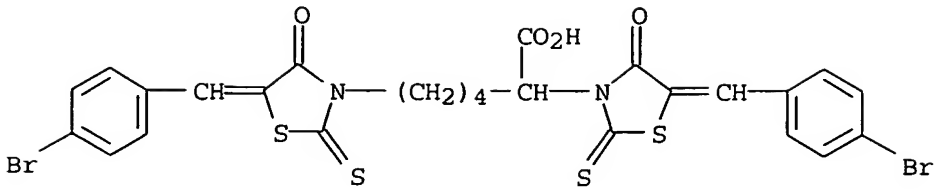
RN 26074-97-5 HCAPLUS
CN 3-Thiazolidineacetic acid, α-(3-guanidinopropyl)-4-oxo-2-thioxo-5-veratrylidene- (8CI) (CA INDEX NAME)



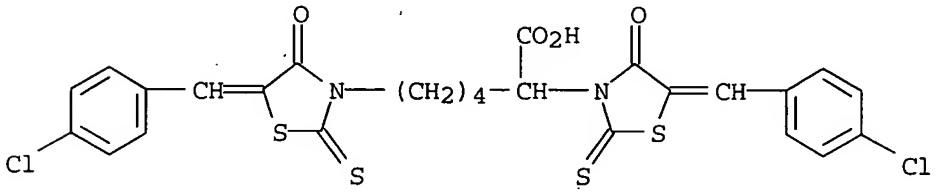
L9 ANSWER 9 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1969:101308 HCAPLUS
DOCUMENT NUMBER: 70:101308
TITLE: Electronic spectra of α,ε-bis(4-oxo-2-thioxo-3-thiazolidinyl)caproic acid and its 5-arylidene-derivatives
AUTHOR(S): Kovaliv, Yu. D.
CORPORATE SOURCE: Lvov Sci.-Res. Inst. Hematol. Blood Transfus., Lvov, USSR
SOURCE: Farmatsevtichnii Zhurnal (Kiev) (**1969**), 24(1), 19-22
CODEN: FRZKAP; ISSN: 0367-3057
DOCUMENT TYPE: Journal
LANGUAGE: Ukrainian

AB The uv absorption spectra of α,ε-bis(4-oxo-2-thioxo-3-thiazolidinyl)-caproic acid (I) and the influence of substituents such as PhCH:, m-O2NC6H4CH:, p-O2NC6H4CH:, p-ClC6H4CH:, p-BrC6H4CH:, p-Me2NC6H3CH:, 3,4-(MeO)2C6H3CH:, PhCH:CHCH:, and 9'-C14H9CH: at the 5 position on the spectral behavior of its 5-arylidene derivs. were investigated. The characteristic features (maximum, shifts) of the 4 bands, observed for both I and its derivs., are discussed. The above mentioned substitution resulted in an insignificant bathochromic shift of the corresponding maximum in the 3rd band, with the exception of the 9'-C14H9CH: derivative which had an appreciable shift in the 44-51 nm. region. Intensive absorption maximum were found in the 4th band at 337-463 nm. for all I derivs. owing to formation of a conjugated chain with 5 double bonds.

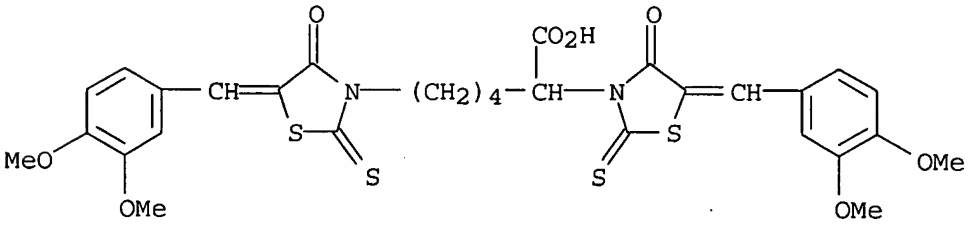
IT **13112-37-3 13185-06-3 13185-07-4**
RL: PRP (Properties)
(spectrum of, chain conjugation effect on)
RN 13112-37-3 HCAPLUS
CN Hexanoic acid, 2,6-bis[5-(p-bromobenzylidene)-4-oxo-2-thioxo-3-thiazolidinyl]- (8CI) (CA INDEX NAME)



RN 13185-06-3 HCAPLUS
CN Hexanoic acid, 2,6-bis[5-(p-chlorobenzylidene)-4-oxo-2-thioxo-3-thiazolidinyl]- (8CI) (CA INDEX NAME)



RN 13185-07-4 HCAPLUS
CN Hexanoic acid, 2,6-bis(4-oxo-2-thioxo-5-veratrylidene-3-thiazolidinyl)- (8CI) (CA INDEX NAME)



L9 ANSWER 10 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1969:88229 HCAPLUS
DOCUMENT NUMBER: 70:88229
TITLE: Synthesis of arginine-based rhodanines
AUTHOR(S): Kovaliv, Yu. D.
CORPORATE SOURCE: L'viv. Nauk.-Doslid. Inst. Gematol. Pereliv. Krovi, Lvov, USSR
SOURCE: Farmatsevtichnii Zhurnal (Kiev) (**1968**), 23(4), 22-8
CODEN: FRZKAP; ISSN: 0367-3057
DOCUMENT TYPE: Journal
LANGUAGE: Ukrainian
GI For diagram(s), see printed CA Issue.
AB To a mixture of 34.84 g. arginine in 100 ml. H2O and 22.4 g. KOH in 20 ml. H2O was added 15.2 g. CS2, and after stirring 4 hrs. and adding 18.9 g. ClCH2CO2H (neutralized with an equivalent amount of Na2CO3), the mixture was stirred 30 min., neutralized with HCl, and 80 ml. boiling 6 N HCl added to precipitate 47.6% α-(N-rhodanyl)-δ-guanidinovaleric acid chloride (I), m. 190-2° (AcOH). A mixture of 0.005 mole I, 0.005 mole

corresponding aromatic aldehyde, 10 ml. AcOH and 1 g. anhydrous AcONa was refluxed 3 hrs. and after cooling the precipitate was separated to give the following

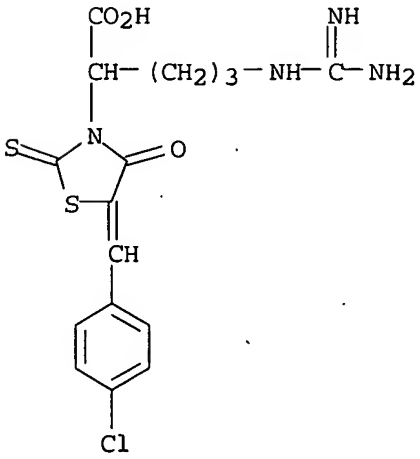
II.AcOH (R, % yield, and m.p. given): PhCH, 87.6, 255-6°; m-O2N-C6H4CH, 93.7, 245-7°; p-O2NC6H4CH, 87.5, 183-5°; p-Cl-C6H4CH, 80.8, 255-6°, p-BrC6H4CH, 42, 274-5°; p-Me2NC6-H4CH, 67.3, 275-7°; 3,4-(MeO)2C6H3CH, 82.3, 260-1°; PhCH:-CHCH, 79.7, 242-3°; 9-anthrylmethylidene, 39.7, 258-60°. Uv spectra of I and II are discussed.

IT **21709-75-1P 21709-76-2P 21709-78-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 21709-75-1 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-(p-chlorobenzylidene)-α-(3-guanidinopropyl)-4-oxo-2-thioxo-, monoacetate (8CI) (CA INDEX NAME)

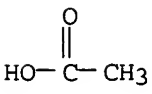
CM 1

CRN 26069-82-9
CMF C16 H17 Cl N4 O3 S2



CM 2

CRN 64-19-7
CMF C2 H4 O2

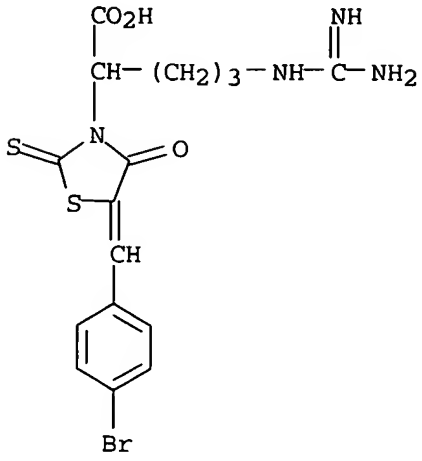


RN 21709-76-2 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-(p-bromobenzylidene)-α-(3-guanidinopropyl)-4-oxo-2-thioxo-, monoacetate (8CI) (CA INDEX NAME)

CM 1

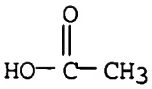
CRN 26069-83-0

CMF C16 H17 Br N4 O3 S2



CM 2

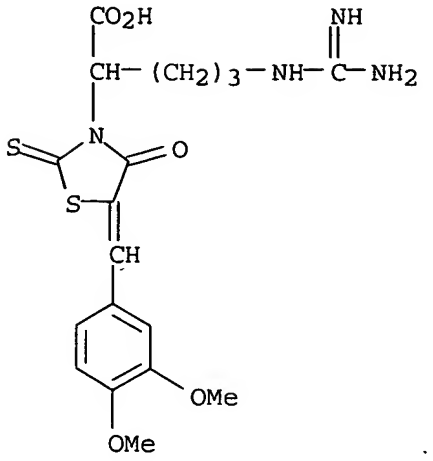
CRN 64-19-7
CMF C2 H4 O2



RN 21709-78-4 HCAPLUS
CN 3-Thiazolidineacetic acid, α-(3-guanidinopropyl)-4-oxo-2-thioxo-5-veratrylidene-, monoacetate (8CI) (CA INDEX NAME)

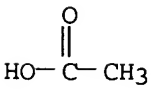
CM 1

CRN 26074-97-5
CMF C18 H22 N4 O5 S2



CM 2

CRN 64-19-7
CMF C2 H4 O2

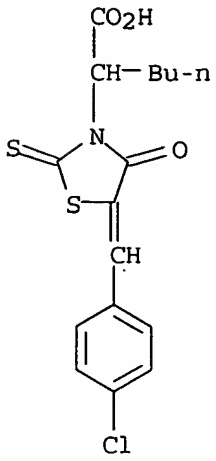


L9 ANSWER 11 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1969:68238 HCAPLUS
DOCUMENT NUMBER: 70:68238
TITLE: Synthesis of thiocyanates based on norleucine
AUTHOR(S): Turkevich, M. M.; Kovaliv, Yu. D.
CORPORATE SOURCE: Lvov Med. Inst., Lvov, USSR
SOURCE: Farmatsevtichnii Zhurnal (Kiev) (**1968**), 23(5), 44-9
CODEN: FRZKAP; ISSN: 0367-3057
DOCUMENT TYPE: Journal
LANGUAGE: Ukrainian

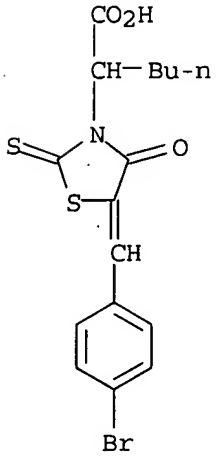
AB KOH (33.66 g.) in 225 cc. H2O and 22.83 g. CS2 was added to 39.3 g. norleucine in 150 cc. H2O, the mixture shaken 4 hrs., a mixture of 28.35 g. ClCH2CO2H in 60 cc. H2O and 15.88 g. Na2CO3 added, and the mixture shaken 30 min., neutralized with 240 cc. boiling HCl, and kept 16 hrs. to give 95.8% 3-α-carboxypentylrhodanine (I), m. 82-3° (1:3 AcOH-H2O). I, 0.01 mole aldehyde, 1 g. anhydrous AcONa, and 10 cc. AcOH was refluxed 3 hrs. and the mixture poured into H2O to give 3-α-carboxypentyl-5-arylidenerhodanines [arylidene, % yield, and m.p. (aqueous AcOH) given): PhCH:, 60.1, 134-5°; m-O2NC6H4CH:, 77.4, 150-2°; p-O2NC6H4CH:, 76.1, 162-3°; p-ClC6H4CH:, 66, 177-8°; p-BrC6H4CH:, 78.7, 179-80°; p-Me2NC6H4CH:, 71.9, 187-8°; anisylidene, 77.8, 145-6°; veratrylidene, 94.6, 97-8°; Ph-CH:CHCH:, 62.7, 141-2°; 9-anthralidene, 89.2, 80-1°. Uv spectra (data given) were discussed.

IT **21468-82-6P 21468-83-7P 21468-85-9P 21468-86-0P**

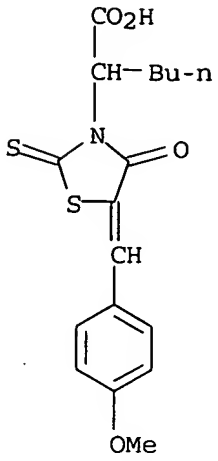
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 21468-82-6 HCAPLUS
CN 3-Thiazolidineacetic acid, α-butyl-5-(p-chlorobenzylidene)-4-oxo-2-thioxo- (8CI) (CA INDEX NAME)



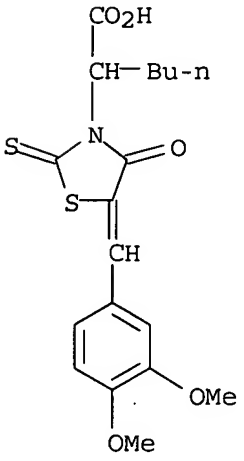
RN 21468-83-7 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-(p-bromobenzylidene)-α-butyl-4-oxo-2-thioxo- (8CI) (CA INDEX NAME)



RN 21468-85-9 HCAPLUS
CN 3-Thiazolidineacetic acid, α-butyl-5-(p-methoxybenzylidene)-4-oxo-2-thioxo- (8CI) (CA INDEX NAME)



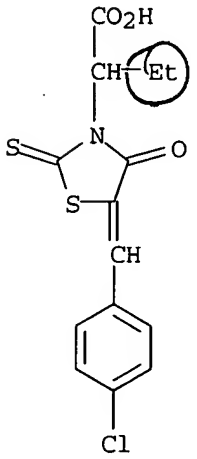
RN 21468-86-0 HCAPLUS
CN 3-Thiazolidineacetic acid, α-butyl-4-oxo-2-thioxo-5-veratrylidene- (8CI) (CA INDEX NAME)



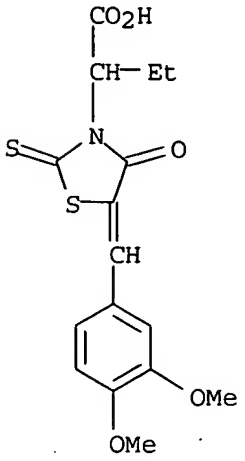
L9 ANSWER 12 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1969:37696 HCAPLUS
DOCUMENT NUMBER: 70:37696
TITLE: Uv absorption spectra of 3-(p-hydroxyphenyl)- and 3-(α-carboxypropyl)rhodanine derivatives
AUTHOR(S): Ladna, L. Ya.; Turkevich, M. M.
CORPORATE SOURCE: L'viv. Med. Inst., Lvov, USSR
SOURCE: Farmatsevtichnii Zhurnal (Kiev) (1968), 23(4), 31-5
CODEN: FRZKAP; ISSN: 0367-3057
DOCUMENT TYPE: Journal
LANGUAGE: Ukrainian
AB 3-(p-Hydroxyphenyl)-rhodanine (I), an analog of the antipyretic acetophene, and 3-(α-carboxypropyl)rhodanine (II), a biochem. imitator of α-aminobutyric acid, were synthesized by reacting p-aminophenol and α-aminobutyric acid, resp., with CS2, followed by

condensation with ClCH2CO2H. Condensing I and II with aromatic aldehydes gave new 5-arylidene derivs. of I and II. The 5-benzylidene, 5-(p-chloro-, 5-(p-nitro-, 5-(p-dimethylamino-, 5-(p-diethylamino-, 5-(m-nitro-, and 5-(p-bromobenzylidene), 5-cinnamylidene, and 5-furfurylidene derivs. of I, and the 5-benzylidene, 5-(p-nitro-, 5-(m-nitro-, 5-(p-chloro-, 5-(p-diethylamino-, and 5-(o-carboxybenzylidene), 5-veratrylidene, 5-anthrylidene, and 5-(α-naphthylidene) derivs. of II were synthesized. The uv absorption spectra of these compds. were measured and discussed.

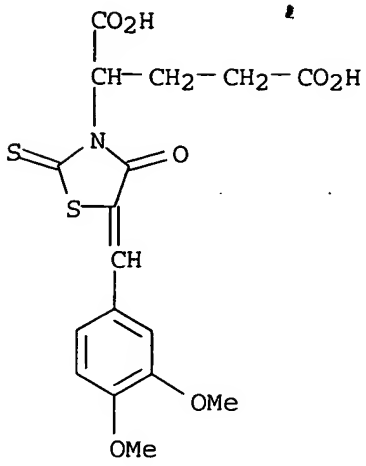
IT **13242-83-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 13242-83-6 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-(p-chlorobenzylidene)-α-ethyl-4-oxo-2-thioxo- (8CI) (CA INDEX NAME)



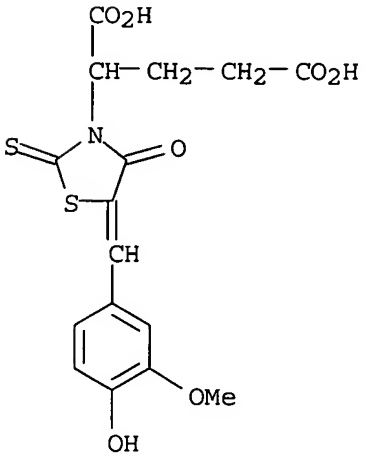
IT **13242-88-1**
RL: PRP (Properties)
(spectrum (uv) of)
RN 13242-88-1 HCAPLUS
CN 3-Thiazolidineacetic acid, α-ethyl-4-oxo-2-thioxo-5-veratrylidene- (8CI) (CA INDEX NAME)



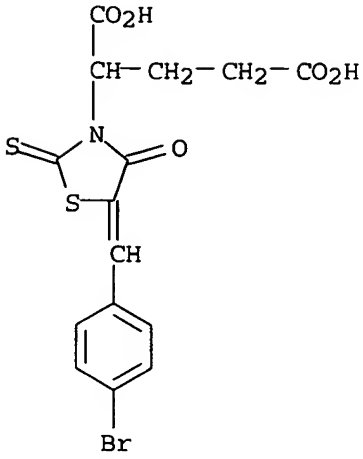
L9 ANSWER 13 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1968:49496 HCAPLUS
DOCUMENT NUMBER: 68:49496
TITLE: Synthesis of the rhodanine derivatives with possible antimetabolic activity. VI. 3-(α,γ-Dicarboxypropyl)rhodanine and its 5-arylidene derivatives
AUTHOR(S): Turkevich, B. M.
CORPORATE SOURCE: L'vovsk. Nauch.-Issled. Inst. Pereliv. Krovi, L'vov, USSR
SOURCE: Khimiya Geterotsiklicheskikh Soedinenii (**1967**), (4), 657-60
CODEN: KGSSAQ; ISSN: 0132-6244
DOCUMENT TYPE: Journal
LANGUAGE: Russian
GI For diagram(s), see printed CA Issue.
AB 3-(α,γ-Dicarboxypropyl)rhodanine (I), m. 98-9°, was prepared in a 67.5% yield by stirring 6 hrs. a solution of 44.1 g. glutamic acid, 50.49 g. KOH, and 22.8 g. CS2 in water followed by addition of 28.35 g. ClCH2CO2Na, 30 min. shaking and 2 hrs. heating after addition of 6N HCl on a water bath. Refluxing 5 millimoles I with 5 millimoles of a substituted aromatic aldehyde and 1.5 g. NaOAc in AcOH for 2 hrs. gave the following II (R, m.p., and % yield given): Ph, 207°, 68.9; o-O2NC6H4, 212-13°, 94; m-O2NC6H4, 228-9°, 95.9; p-O2NC6H4, 198-200°, 84.3; p-ClC6H4, 220-1°, 92.8; p-BrC6H4, 217-18°, 93.9; p-Me2NC6H4, 225°, 74; p-Et2NC6H4, 201-2°, 85.2; PhCH:CH, 173-4°, 84.3; 3-MeO-4-HOC6H3, 241-2°, 68.4; 3,4-(MeO)2C6H3, 130-2°, 84.1; 3,4-methylendioxyphenyl, 204-5°, 78.9; α-naphthyl, 171-3°, 82.5; 9-anthryl, 196-7°, 87.4. In the uv spectra, 3 to 4 absorption bands were found in the region 220-40 mμ, 244-278.5 mμ, 292-338 mμ, and 360-374 mμ.
IT **16942-78-2P 16942-79-3P 16942-83-9P 16942-84-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 16942-78-2 HCAPLUS
CN Glutaric acid, 2-(4-oxo-2-thioxo-5-veratrylidene-3-thiazolidinyl)- (8CI) (CA INDEX NAME)



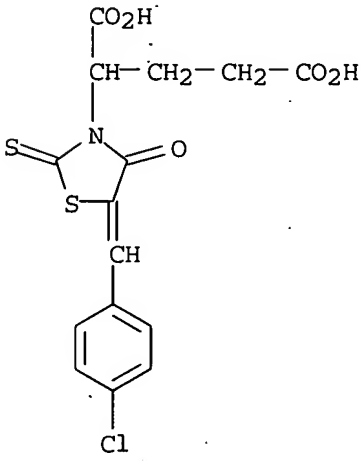
RN 16942-79-3 HCAPLUS
CN Glutaric acid, 2-(4-oxo-2-thioxo-5-vanillylidene-3-thiazolidinyl)- (8CI) (CA INDEX NAME)



RN 16942-83-9 HCAPLUS
CN Glutaric acid, 2-[5-(p-bromobenzylidene)-4-oxo-2-thioxo-3-thiazolidinyl]- (8CI) (CA INDEX NAME)



RN 16942-84-0 HCAPLUS
CN Glutaric acid, 2-[5-(p-chlorobenzylidene)-4-oxo-2-thioxo-3-thiazolidinyl]- (8CI) (CA INDEX NAME)

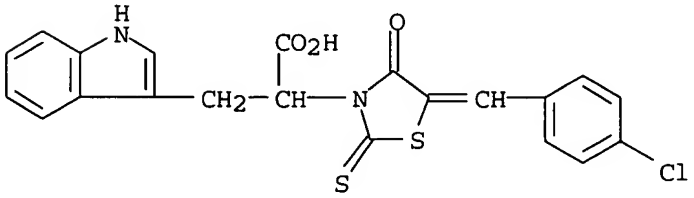


L9 ANSWER 14 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1967:85719 HCAPLUS
DOCUMENT NUMBER: 66:85719
TITLE: Synthesis and properties of rhodanines, obtained from tryptophan
AUTHOR(S): Kopiichuk, I. I.
CORPORATE SOURCE: Med. Inst., Lvov, USSR
SOURCE: Farmatsevtichnii Zhurnal (Kiev) (**1966**), 21(5), 3-6
CODEN: FRZKAP; ISSN: 0367-3057
DOCUMENT TYPE: Journal
LANGUAGE: Ukrainian
GI For diagram(s), see printed CA Issue.
AB Tryptophan (0.15 mole) mixed with 0.15 mole NaOH in 40 ml. water was slowly added to an agitated mixture of 0.15 mole CS2, 0.15 mole KOH, and 30 ml. water. In 4 hrs., 0.15 mole ClCH2CO2K was added to the I formed and

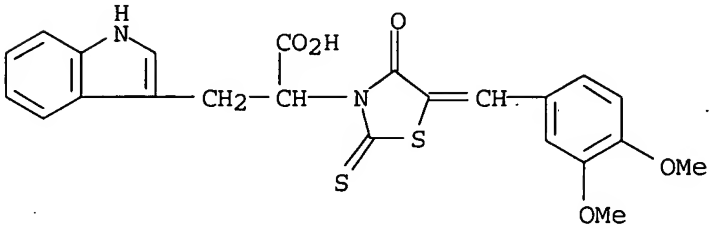
the mixture was agitated 20-30 hrs. to produce II. The mixture was acidified with HCl to pH 2-3 and warmed to 90° to give 67.4% 3-(α-carboxy-β-3-indolyl)ethylrhodanine (III), m. 223-5° (AcOH). III hydrolyzed at 20° in alkaline media, (H2O.NH3, NaOH, Na2CO3), into blue or purple-blue colored mercaptocarboxylic acids (positive nitroprusside reaction). To prepare 5-alkylidene derivs. (IV) a mixture of 0.005 mole III, 10 ml. AcOH, 1-2 g. AcONa and an appropriate aromatic or heterocyclic aldehyde (0.005 mole) was refluxed 3 hrs., then quenched in water to precipitate the following IV (R, m.p., and % yield given): benzylidene, 236-7°, 88.2; p-nitrobenzylidene, 196-7°, 94.8; m-nitrobenzylidene, 227-9°, 90.7; p-chlorobenzylidene, 192-3°, 93.2; salicylidene, 231-2°, 80.6; p-(N,N-dimethylamino)benzylidene, 151-2°, 94.8; veratrylidene, 144-5°, 87.4; cinnamylidene, 249-51°, 92.3; 9-anthranylidene, 96-8°, 93.1; furfurylidene, 236-7°, 91.2.

IT **13789-85-0P 13789-88-3P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 13789-85-0 HCAPLUS
CN Indole-3-propionic acid, α-[5-(p-chlorobenzylidene)-4-oxo-2-thioxo-3-thiazolidinyl]- (8CI) (CA INDEX NAME)



RN 13789-88-3 HCAPLUS
CN Indole-3-propionic acid, α-(4-oxo-2-thioxo-5-veratrylidene-3-thiazolidinyl)- (8CI) (CA INDEX NAME)



L9 ANSWER 15 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1967:10872 HCAPLUS
DOCUMENT NUMBER: 66:10872
TITLE: Synthesis of rhodanines based on lysine
AUTHOR(S): Kovaliv, Yu. D.; Turkevich, B. M.
CORPORATE SOURCE: Sci. Res. Inst. Hematology and Blood Transfusion, Lvov, USSR
SOURCE: Farmatsevtichnii Zhurnal (Kiev) (**1966**), 21(4), 22-7
CODEN: FRZKAP; ISSN: 0367-3057
DOCUMENT TYPE: Journal

LANGUAGE: Ukrainian

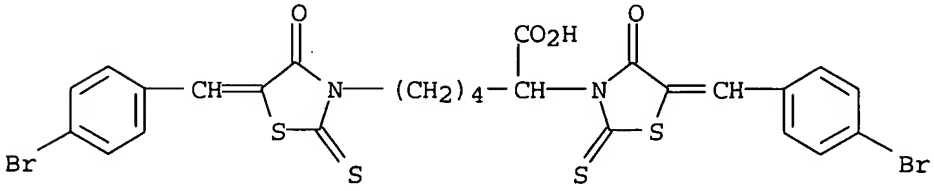
GI For diagram(s), see printed CA Issue.

AB α,ε-Di(N-rhodanyl)caproic acid (I), m. 95-6° (AcOH), was obtained in 91% yield by adding 22.83 g. CS2 to a mixture of solns. of 27.39 g. lysine in 75 ml. H2O and of 33.61 g. KOH in 22.5 ml. H2O, stirring 4 hrs., adding 28.35 g. ClCH2CO2H neutralized with Na2CO3, stirring 30 min., neutralizing with concentrated HCl, adding 120 ml. boiling 6N HCl and heating on a water bath 1 hr. at 85-90°. The following II were prepared by refluxing 3 hrs. a mixture of 0.0025 mole I, 0.005 mole RCHO, 1 g. anhydrous AcONa, and 10 ml. AcOH and recrystg. from AcOH (R, m.p., and % yield are given, resp.): Ph, 202-4°, 94.3; m-O2NC6H4, 183-5°, 93.7; p-O2NC6H4, 234-5°, 75.0; p-ClC6H4, 240-1°, 68.0; p-BrC6H4, 240-1°, 85.2; p-Me2NC6H4, 110-12°, 95.6; 3,4-(MeO)2C6H3, 146-8°, 77.4; styryl, 162-4°, 66.9; 2-hydroxyl-1-naphthyl, 275-6°, 90.0; 9-anthryl, 230-2°, 96.2. Uv and visible spectral data are given and discussed.

IT **13112-37-3P 13185-06-3P 13185-07-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

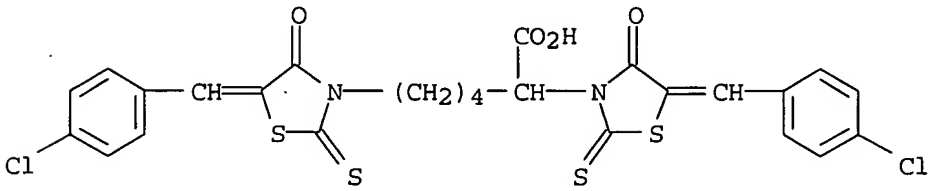
RN 13112-37-3 HCAPLUS

CN Hexanoic acid, 2,6-bis[5-(p-bromobenzylidene)-4-oxo-2-thioxo-3-thiazolidinyl]- (8CI) (CA INDEX NAME)



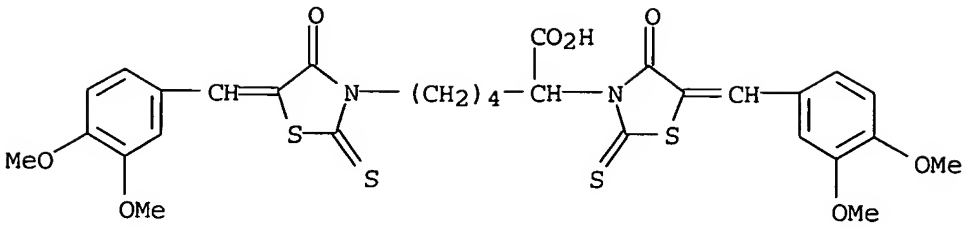
RN 13185-06-3 HCAPLUS

CN Hexanoic acid, 2,6-bis[5-(p-chlorobenzylidene)-4-oxo-2-thioxo-3-thiazolidinyl]- (8CI) (CA INDEX NAME)

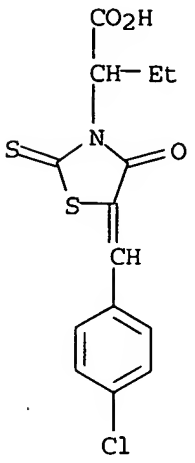


RN 13185-07-4 HCAPLUS

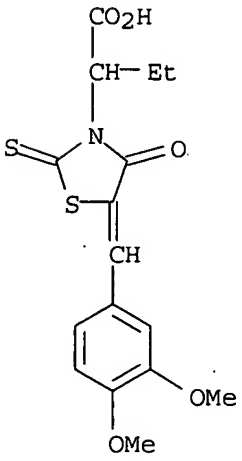
CN Hexanoic acid, 2,6-bis(4-oxo-2-thioxo-5-veratrylidene-3-thiazolidinyl)- (8CI) (CA INDEX NAME)



L9 ANSWER 16 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1967:2506 HCAPLUS
DOCUMENT NUMBER: 66:2506
TITLE: Synthesis of rhodanine derivatives based on α-aminobutyric acid
AUTHOR(S): Ladna, L. Ya.
CORPORATE SOURCE: Med. Inst., Lvov, USSR
SOURCE: Farmatsevtichnii Zhurnal (Kiev) (1966), 21(4), 14-18
CODEN: FRZKAP; ISSN: 0367-3057
DOCUMENT TYPE: Journal
LANGUAGE: Ukrainian
GI For diagram(s), see printed CA Issue.
AB 3-(α-Carboxypropyl)-rhodanine (I) and 9 of its 5-arylidene derivs. are described and their uv spectra given. A solution of 25.8 g. α-aminobutyric acid in 62 ml. water containing 14 g. KOH was added to a stirred mixture of 15 ml. CS2, 14 g. KOH, and 62 ml. water. The mixture was stirred 3 hrs., filtered, and treated with 25.5 g. ClCH2CO2H dissolved in 50 ml. water and 17.3 g. K2CO3. The mixture was stirred 30 min., acidified with concentrated HCl, treated with 150 ml. concentrated HCl, and heated at 90° to give 35% I, m. 139-40° (EtOH, C6H6, H2O). Equimolar amts. (0.01 mole) of ArCHO, I, anhydrous NaOAc, and 15 ml. glacial HOAc were refluxed 3 hrs. and poured into 500 ml. water. The solid was purified by boiling water-petroleum ether and crystallized from glacial HOAc and EtOH. Thus were prepared II (Ar, % yield, and m.p. given) Ph, 54, 168-9° (C6H6); 4-ClC6H4, 76, 174-5° (C6H6); 4-Me2NC6H4, 36, 190-1° (C6H6); 4-O2NC6H4, 93, 180-1° (EtOH); 3-O2NC6H4, 88, 206-18° (glacial HOAc); 2-(HO2C)C6H4, 45.5, 200-1° (glacial HOAc); veratryl, 72.8, 163-4° (C6H6); α-naphthyl, 85, 169-70° (glacial HOAc); 9-anthryl, 97, 202-3°, (C6H6).
IT **13242-83-6P 13242-88-1P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 13242-83-6 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-(p-chlorobenzylidene)-α-ethyl-4-oxo-2-thioxo- (8CI) (CA INDEX NAME)



RN 13242-88-1 HCAPLUS
CN 3-Thiazolidineacetic acid, α-ethyl-4-oxo-2-thioxo-5-veratrylidene- (8CI) (CA INDEX NAME)



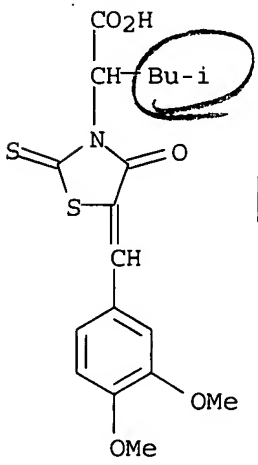
L9 ANSWER 17 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1966:473409 HCAPLUS
DOCUMENT NUMBER: 65:73409
ORIGINAL REFERENCE NO.: 65:13680a-c
TITLE: Rhodanines obtained from leucine
AUTHOR(S): Kopiichuk, I. I.
CORPORATE SOURCE: Med. Inst., Lvov
SOURCE: Farmatsevtichnii Zhurnal (Kiev) (**1966**), 21(3), 13-17
CODEN: FRZKAP; ISSN: 0367-3057
DOCUMENT TYPE: Journal
LANGUAGE: Ukrainian
GI For diagram(s), see printed CA Issue.
AB 3-(α-Carboxy-γ-methylbutyl)rhodanine (I, R = H2) (Ia) and 5-arylidene derivs. were prepared and their uv spectra studied. CS2 and KOH (0.25 thole each) in 60 cc. H2O was added successively to leucine and KOH

(0.25 mole each) in 60 cc. H2O, the mixture stirred 4 hrs., and 0.25 mole aqueous ClCH2CO2H (neutralized with K2CO3) added. The mixture was stirred 20-30 min., acidified with concentrated HCl (pH 2-3), heated to 90°, cooled, and the oil which separated was dissolved in 50 cc. concentrated AcOH, decolorized with active C, and poured into H2O to give 61.5% Ia, m. 99-101°; λ (maximum) 265 and 295 mμ (log ε 3.99 and 4.15). I, an appropriate aldehyde (5 millimoles each), 1 g. anhydrous AcONa, and 10 cc. AcOH was heated 3 hrs. and the mixture poured into H2O to give the following I (R, % yield, and m.p. given): PhCH, 64.9, 153-4°; p-O2NC6H4CH, 47.8, 192-3°; m-O2NC6H4CH, 73.7, 186-8°; p-ClC6H4CH, 86.4, 179-81°; o-HOC6H4CH, 68.2, 117-19°; p-Me2NC6H4CH, 44.6, 183-4°; veratrylidene, 88.4, 108-10°; PhCH:CHCH, 77.7, 171-3°; 9-anthranylidene, 87.7, 90-2°. I was easily hydrolyzed in alkaline medium. The uv spectra of I are discussed.

IT **10513-17-4**, 3-Thiazolidineacetic acid, α-isobutyl-4-oxo-2-thioxo-5-veratrylidene- **13054-71-2**, 3-Thiazolidineacetic acid, 5-(p-chlorobenzylidene)-α-isobutyl-4-oxo-2-thioxo- (preparation and spectrum of)

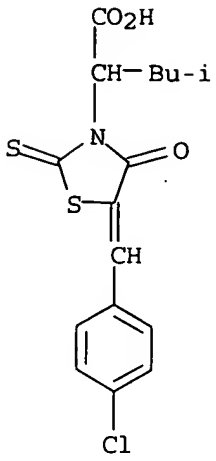
RN 10513-17-4 HCAPLUS

CN 3-Thiazolidineacetic acid, α-isobutyl-4-oxo-2-thioxo-5-veratrylidene- (7CI, 8CI) (CA INDEX NAME)



RN 13054-71-2 HCAPLUS

CN 3-Thiazolidineacetic acid, 5-(p-chlorobenzylidene)-α-isobutyl-4-oxo-2-thioxo- (7CI, 8CI) (CA INDEX NAME)

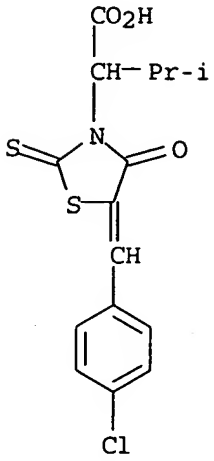


L9 ANSWER 18 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1966:429429 HCAPLUS
DOCUMENT NUMBER: 65:29429
ORIGINAL REFERENCE NO.: 65:5452a-c
TITLE: Synthesis and properties of rhodanines, obtained from valine
AUTHOR(S): Kopiichuk, I. I.
CORPORATE SOURCE: Med. Inst., Lvov
SOURCE: Farmatsevtichnii Zhurnal (Kiev) (**1966**), 21(1), 7-10
CODEN: FRZKAP; ISSN: 0367-3057
DOCUMENT TYPE: Journal
LANGUAGE: Ukrainian

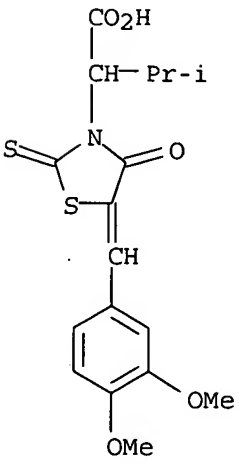
AB 3-(1-Carboxy-2-methylpropyl)rhodanine (I), m. 113-15°, was obtained in 54.9% yield by mixing 0.3 mole valine in 1 portion of KOH solution (3 moles in 80 ml. H2O) with 0.3 mole CS2 in the same amount of KOH solution After 3-hr. mixing, 0.3 mole ClCH2CO2H neutralized by K2CO3 was added to the mixture and mixed for 20-30 min., then neutralized with HCl, 150 ml. boiling concentrated HCl added, and the whole heated at 90° for 20-30 min. I separated as a yellow oil, which immediately crystallized By subsequent condensation with aromatic aldehydes, the following 5-arylidene derivs. of I were prepared (arylidene group, m.p., and % yield given): benzylidene, 182-4°, 50; p-nitrobenzylidene, 193-4°, 62.8; m-nitrobenzylidene, 184-6°, 90.3; p-chlorobenzylidene, 190-1°, 83.8; salicylidene, 172-3°, 62.2; p-dimethylaminobenzylidene, 211-12°, 54; veratrylidene, 140-1°, 74.7; cinnamylidene, 175-6°, 80.6; 9-anthrylidene, 244-5°, 94.8; furfurylidene, 200-1°, 90.2.

IT **6593-73-3**, 3-Thiazolidineacetic acid, 5-(p-chlorobenzylidene)-α-isopropyl-4-oxo-2-thioxo- **6594-00-9**, 3-Thiazolidineacetic acid, α-isopropyl-4-oxo-2-thioxo-5-veratrylidene-
(preparation of)

RN 6593-73-3 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[(4-chlorophenyl)methylene]-α-(1-methylethyl)-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



RN 6594-00-9 HCAPLUS
CN 3-Thiazolidineacetic acid, α-isopropyl-4-oxo-2-thioxo-5-veratrylidene- (7CI, 8CI) (CA INDEX NAME)



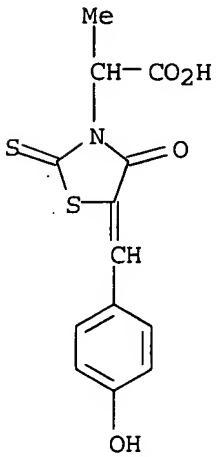
L9 ANSWER 19 OF 19 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1911:9676 HCAPLUS
DOCUMENT NUMBER: 5:9676
ORIGINAL REFERENCE NO.: 5:1756b-i,1757a
TITLE: Substituted Rhodanines and their Aldehyde Condensation Products. X
AUTHOR(S): Andreasch, Rudolf
SOURCE: Monatshefte fuer Chemie (**1911**), 31, 785-95
CODEN: MOCMB7; ISSN: 0026-9247
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
GI For diagram(s), see printed CA Issue.
AB cf. C. A., 2, 3229. Dithiocarbaminoacetic acid HS2CNHCH2CO2H, is best prepared from aminoacetic acid, CS2 and NH3, in dilute alc., the product consists of diammonium dithiocarbaminoacetate; white needles with 1H2O, m. 110° (gas evolution). Yield, about 80%. In a similar manner, alanine forms diammonium α-dithiocarbaminopropionate,

NH4S2CNHCHMeCO2NH4; long needles with 1H2O, m. 128-9° (decompose and gas evolution). When treated with HCl, or H2SO4 and Et2O it gives α-rhodaninepropionic acid formula (I) below; warty crystals from alc., m. 127°. The above condensation may also be realized by the use of KOH, or Ba(OH)2 in place of NH3. β-Benzylidene-α-rhodaninepropionic acid (II), from (I) and BzH, in Et2O; light yellow needles, or warty aggregates from alc., m. 191°. β-p-Dimethylaminobenzylidene-α-rhodaninepropionic acid (III), from (I) and p-dimethyl-aminobenzaldehyde; needles, or crusts resembling CrO3 in color, m. 210-20°. It dyes the skin, wool and silk orange-red, but the colors are not very fast towards light. β-p-Hydroxybenzylidene-α-rhodaninepropionic acid (IV), from (I) and p-hydroxybenzaldehyde; light chrome-yellow needles or crusts, softens 190°, m. 205-10°. β-Methylenedioxybenzylidene-α-rhodaninepropionic acid, (V), from (I) and piperonaldehyde in AcOH; orange-yellow warts from alc. or Et2O, m. 197-9°. When glycylglycine hydrochloride is treated with CS2 and aqueous NH3 it appears to form the di-NH4 dithiocarbamate, NH4S2CNHCH2CONHCH2CO2NH4. It was not purified but was heated with chloroacetic ester and the product acidified and extracted with Et2O. The resulting compound consists of rhodanineglycylglycine (IV); yellow syrup. With BzH, in AcOH, it forms β-benzylidenerhodanineglycylgycine (VII); greenish yellow scales, or needles, softens 180°, m. 190°. The rhodanines from asparagine, aspartic and glutamic acids and synthetic leucine, both optically active and inactive, are all oils, as are likewise their condensation products with aldehydes. As these oils decompose when heated the compds. in question could not be purified.

IT **300826-71-5**, 3-Thiazolidineacetic acid, 5-(p-hydroxybenzal)-4-keto-α-methyl-2-thio-
(preparation of)

RN 300826-71-5 HCAPLUS

CN 3-Thiazolidineacetic acid, 5-[(4-hydroxyphenyl)methylene]-α-methyl-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



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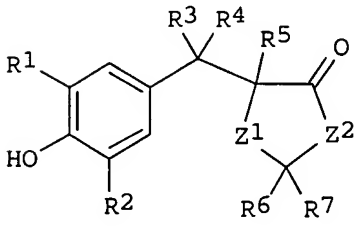
L12 ANSWER 1 OF 10 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1996:534777 HCAPLUS

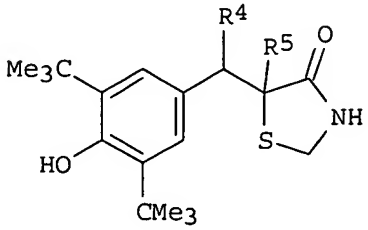
DOCUMENT NUMBER: 125:167973
TITLE: Preparation and formulation of 5-[(hydroxyphenyl)methyl(ene)]-4-thiazolidinones for treatment of multiple sclerosis
INVENTOR(S): Kingston, Ann E.; Panetta, Jill Ann
PATENT ASSIGNEE(S): Eli Lilly and Co., USA
SOURCE: Eur. Pat. Appl., 41 pp.
CODEN: EPXXDW
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 722729	A2	19960724	EP 1996-300415	19960122 <--
EP 722729	A3	19971126		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
CA 2210566	AA	19960801	CA 1996-2210566	19960122 <--
WO 9622772	A1	19960801	WO 1996-US856	19960122 <--
W: AL, AM, AU, AZ, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, RO, RU, SD, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ				
RW: KE, LS, MW, SD, SZ, UG, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9647038	A1	19960814	AU 1996-47038	19960122 <--
AU 690814	B2	19980430		
JP 10512883	T2	19981208	JP 1996-522965	19960122 <--
US 5731336	A	19980324	US 1996-603358	19960220 <--
NO 9703366	A	19970721	NO 1997-3366	19970721 <--
PRIORITY APPLN. INFO.:			US 1995-376606 A	19950123
			WO 1996-US856 W	19960122

OTHER SOURCE(S): MARPAT 125:167973
GI



I



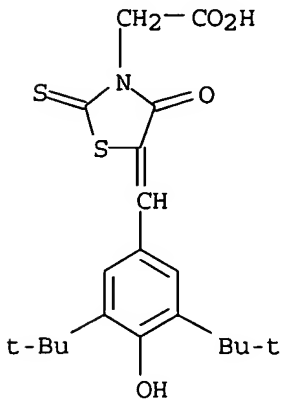
III

AB Title compds. [I; R1,R2 = H, (phenylthio)alkyl, alkoxy, etc.; R3 = H or alkyl; R4,R5 = H; R4R5 = bond; R6,R7 = H; R6,R7 = S; 1 of R6,R7 = H and the other = SMe; Z1 = SO0-2; Z2 = O, NR8; R8 = H, (cyclo)alkyl, So2Me, etc.] were prepared Thus, 3,5-di-tert-butyl-4-hydroxybenzaldehyde was condensed with rhodanine and the product hydrogenated to give title compound II (R4 = R5 = H) and II (R4R5 = bond). Data for activity of select I in the exptl. autoimmune encephalomyelitis model were given.

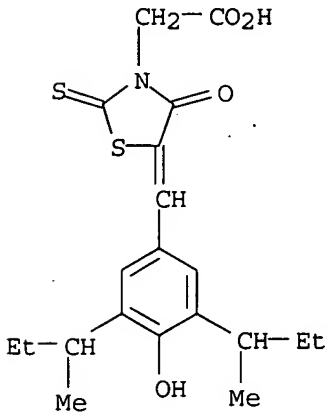
IT **155670-55-6P 178734-94-6P 180594-83-6P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological

study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 5-[(hydroxyphenyl)methyl(ene)]-4-thiazolidinones for treatment of multiple sclerosis)

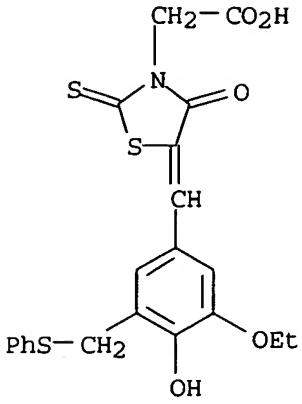
RN 155670-55-6 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



RN 178734-94-6 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[[4-hydroxy-3,5-bis(1-methylpropyl)phenyl]methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



RN 180594-83-6 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[[3-ethoxy-4-hydroxy-5-[(phenylthio)methyl]phenyl]methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



L12 ANSWER 2 OF 10 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1996:392105 HCAPLUS
DOCUMENT NUMBER: 125:96085
TITLE: Rhodanine derivatives useful as hypoglycemic agents and for treating Alzheimer's disease
INVENTOR(S): Bue-Valleskey, Juliana M.; Hunden, David C.; Jones, Charles D.; Panetta, Jill A.; Shaw, Walter N.
PATENT ASSIGNEE(S): Eli Lilly and Co., USA
SOURCE: U.S., 23 pp., Cont.-in-part of U.S. Ser. No. 943, 353, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

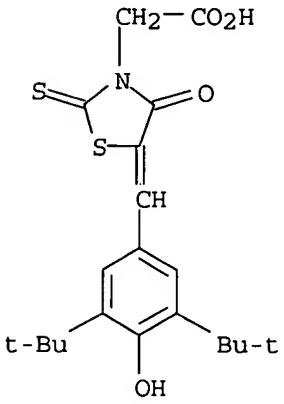
PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
US 5523314	A	19960604	US 1994-213651		19940316	<--
ZA 9306492	A	19950302	ZA 1993-6492		19930902	<--
IL 106877	A1	19980310	IL 1993-106877		19930902	<--
IL 119119	A1	19980816	IL 1993-119119		19930902	<--
CA 2105598	AA	19940311	CA 1993-2105598		19930907	<--
NO 9303198	A	19940311	NO 1993-3198		19930908	<--
AU 9346218	A1	19940317	AU 1993-46218		19930908	<--
AU 676843	B2	19970327				
HU 70184	A2	19950928	HU 1993-2551		19930908	<--
RU 2131251	C1	19990610	RU 1993-51176		19930908	<--
FI 9303946	A	19940311	FI 1993-3946		19930909	<--
JP 06192091	A2	19940712	JP 1993-224434		19930909	<--
CN 1091006	A	19940824	CN 1993-119081		19930909	<--
US 5716975	A	19980210	US 1995-470822		19950606	<--
US 5661168	A	19970826	US 1996-678015		19960710	<--
NO 9801911	A	19940311	NO 1998-1911		19980428	<--
PRIORITY APPLN. INFO.:			US 1992-943353	B2	19920910	
			IL 1993-106877	A3	19930902	
			US 1994-213651	A3	19940316	
			US 1994-343271	B1	19941122	

OTHER SOURCE(S): MARPAT 125:96085
AB Rhodanine derivs. and pharmaceutical formulations thereof are claimed for treating hyperglycemia and Alzheimer's disease. 5-[(4-

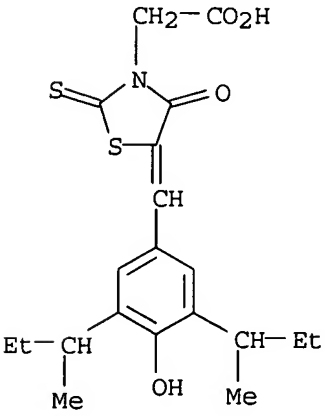
Phenoxyphenyl)methylene]-2-thioxo-4-thiazolidinone (I) was prepared, tested for hypoglycemic activity in obese diabetic mice, and formulated in hard gelatin capsules containing I 250, starch 220, and magnesium stearate 10 mg, resp.

IT **155670-55-6 178734-94-6 178735-03-0 178735-12-1**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(rhodanine derivs. for treating Alzheimer's disease and as hypoglycemic agents)

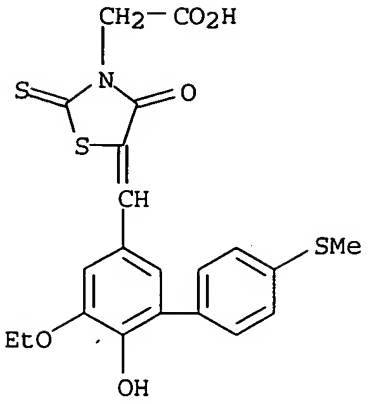
RN 155670-55-6 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



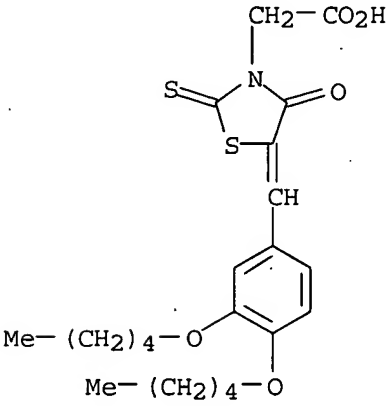
RN 178734-94-6 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[[4-hydroxy-3,5-bis(1-methylpropyl)phenyl]methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



RN 178735-03-0 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[[5-ethoxy-6-hydroxy-4'-(methylthio)[1,1'-biphenyl]-3-yl]methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



RN 178735-12-1 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[[3,4-bis(pentyloxy)phenyl]methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



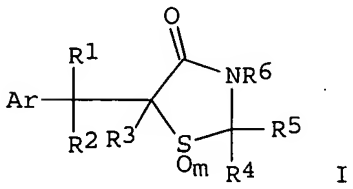
L12 ANSWER 3 OF 10 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1994:435596 HCAPLUS
DOCUMENT NUMBER: 121:35596
TITLE: Preparation of thiazolidinone derivatives as hypoglycemic agents and for treating Alzheimer's disease
INVENTOR(S): Bue-Valleskey, Juliana Maude; Hunden, David Charles; Jones, Charles David; Panetta, Jill Ann; Shaw, Walter Norman
PATENT ASSIGNEE(S): Eli Lilly and Co., USA
SOURCE: Eur. Pat. Appl., 43 pp.
CODEN: EPXXDW
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 587377	A2	19940316	EP 1993-306959	19930902 <--

EP 587377	A3	19940921			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE					
ZA 9306492	A	19950302	ZA 1993-6492	19930902	<--
IL 106877	A1	19980310	IL 1993-106877	19930902	<--
IL 119119	A1	19980816	IL 1993-119119	19930902	<--
EP 915090	A1	19990512	EP 1998-201389	19930902	<--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE					
CA 2105598	AA	19940311	CA 1993-2105598	19930907	<--
NO 9303198	A	19940311	NO 1993-3198	19930908	<--
AU 9346218	A1	19940317	AU 1993-46218	19930908	<--
AU 676843	B2	19970327			
HU 70184	A2	19950928	HU 1993-2551	19930908	<--
RU 2131251	C1	19990610	RU 1993-51176	19930908	<--
FI 9303946	A	19940311	FI 1993-3946	19930909	<--
JP 06192091	A2	19940712	JP 1993-224434	19930909	<--
CN 1091006	A	19940824	CN 1993-119081	19930909	<--
US 5661168	A	19970826	US 1996-678015	19960710	<--
NO 9801911	A	19940311	NO 1998-1911	19980428	<--
PRIORITY APPLN. INFO.:			US 1992-943353	A 19920910	
			EP 1993-306959	A3 19930902	
			IL 1993-106877	A3 19930902	
			US 1994-343271	B1 19941122	

OTHER SOURCE(S): MARPAT 121:35596

GI



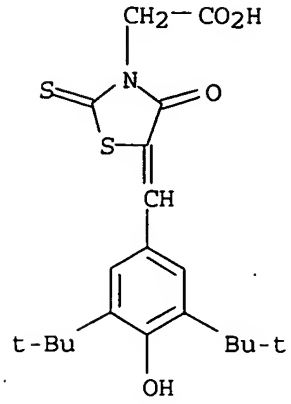
I

AB Title compds. I (Ar = (substituted) Ph, 1-, 2-naphthyl, 2-, 3-benzofuranyl, 2-, 3-benzothiphenyl, 2-, 3-thienyl, 2-, 3-, 4-pyridyl, quinolinyl, etc.; R1 = C1-6 alkyl, C1-4 alkylphenyl, H, (substituted) Ph; R2, R3 = H, R2R3 = bond; R4, R5 = H, R4R5 = S, one of R4 and R5 is H the other is MeS; R6 = H, C1-6 alkyl, C3-8 cycloalkyl, C2-6 alkenyl, MeSO2, etc., m = 0-2) or a salt thereof, are prepared 3-(Methanesulfonamido)benzaldehyde, rhodanine, NaOAc, and AcOH were refluxed for 20 h, then stirred at room temperature for another 60 h to give I [Ar = 3-(MeSO2)C6H4, R1-3 = R6 = H, R4R5 = S, m = 0]. I demonstrated hypoglycemic activity in vivo at 50 mg/kg, and are useful for treating Alzheimer's disease having cathepsin inhibitory activity. Pharmaceutical formulations comprising I are given.

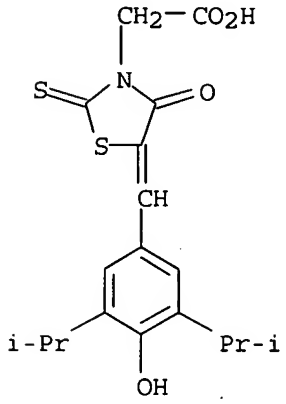
IT **155670-55-6P 155670-60-3P 155762-18-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as hypoglycemic and for treatment of Alzheimer's disease)

RN 155670-55-6 HCAPLUS

CN 3-Thiazolidineacetic acid, 5-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



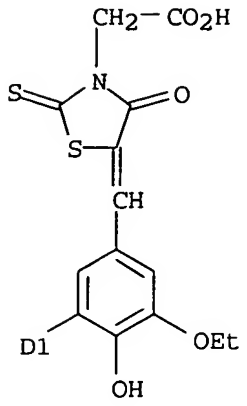
RN 155670-60-3 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[[4-hydroxy-3,5-bis(1-methylethyl)phenyl]methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



RN 155762-18-8 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[[5-ethoxy-6-hydroxy-ar'-(methylthio)[1,1'-biphenyl]-3-yl]methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)

PAGE 1-A

D1—S—Me



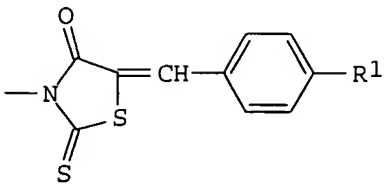
L12 ANSWER 4 OF 10 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1990:207825 HCAPLUS
DOCUMENT NUMBER: 112:207825
TITLE: Electrophotographic photoconductors
INVENTOR(S): Nishiguchi, Toshihiko; Yamamura, Mika
PATENT ASSIGNEE(S): Mita Industrial Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: **Patent**
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 10
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01161360	A2	19890626	JP 1987-322309	19871218 <--
US 4965155	A	19901023	US 1988-279083	19881202 <--

PRIORITY APPLN. INFO.:

JP 1987-308178	A	19871203
JP 1987-321033	A	19871217
JP 1987-321034	A	19871217
JP 1987-322308	A	19871218
JP 1987-322309	A	19871218
JP 1987-333451	A	19871228
JP 1987-333452	A	19871228
JP 1987-333453	A	19871228
JP 1987-333454	A	19871228
JP 1987-333455	A	19871228

GI



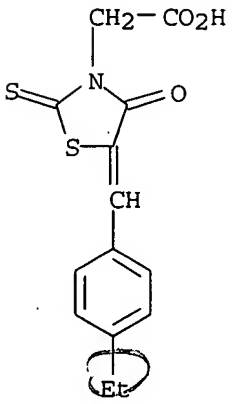
I

AB Charge carrier-generating agents, which are polymers having pendant rhodanine derivative groups I (R1 = C1-6-alkyl, OH), and charge carrier-transporting agents, are contained in the photoconductors, within a single layer or in 2 sep. layers. Polymers with I side chains are sensitive to visible light without sensitization, and binders are not necessarily required for formation of uniformly sensitive layers. Thus, polystyrene with 5-(p-ethylbenzylidene)rhodanine side chains bonded at N atoms was obtained by polymerization of 15.2 g poly(chloromethylstyrene) and 30.7 g 3-carboxymethyl-5-(p-ethylbenzylidene)rhodanine. A THF solution containing 7 parts of this polymer and 3 parts diethylamino benzaldehyde N,N-diphenylhydrazone was applied on Al sheet to obtain a photoconductor with 20-μm-thick photosensitive layer. This photoconductor was chargeable to +750 V, and sensitivity (irradiation dose required for half decay of voltage) was 5.3 lx-s. Photoconductors with 2 layers resp. containing these agents also showed excellent performance.

IT **124347-15-5D**, reaction products with poly(chloromethylsilane)
RL: USES (Uses)
(as charge carrier-generator, for electrophotog. photoconductors)

RN 124347-15-5 HCAPLUS

CN 3-Thiazolidineacetic acid, 5-[(4-ethylphenyl)methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and reaction of, with poly(chloromethylstyrene), rhodanine-modified polymers from

L12 ANSWER 5 OF 10 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1990:108546 HCAPLUS

DOCUMENT NUMBER: 112:108546

TITLE: Electrophotographic photoconductive materials comprising a rhodanine derivative and a halogen-containing polymer

INVENTOR(S): Uriyu, Toshiuki; Nishiguchi, Toshihiko

PATENT ASSIGNEE(S): Mita Industrial Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF

DOCUMENT TYPE: **Patent**

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 5
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
JP 01142649	A2	19890605	JP 1987-301706		19871130	<--
JP 05020735	B4	19930322				
US 4885369	A	19891205	US 1988-278237		19881130	<--
PRIORITY APPLN. INFO.:			JP 1987-301706	A	19871130	
			JP 1987-301716	A	19871130	
			JP 1987-301721	A	19871130	
			JP 1987-301722	A	19871130	
			JP 1987-301723	A	19871130	

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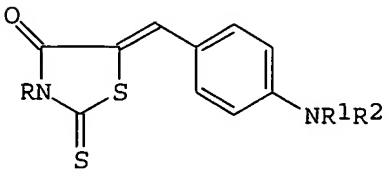


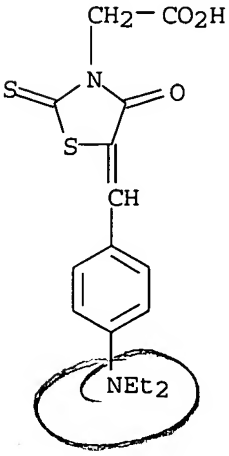
I

AB Electrophotog. photoconductive materials comprise a rhodanine derivative I [R = (substituted) alkyl, aralkyl, aryl, amino; R1-2 = H, alkyl, (substituted) aryl] and a halo-containing polymer. The materials have no charge-generating pigment and exhibit good photocond. toward visible light. Thus, an Al substrate was coated with a composition containing I (R = CH2CO2H; R1 = R2 = Et) 50 and Saran [II; poly(vinylidene chloride)] 100 parts to give a photoreceptor, which showed high sensitivity, compared to a control containing polycarbonate resin in place of II.

IT **117648-60-9P**, 3-Carboxymethyl-5-(p-diethylaminobenzylidene)rhodani ne
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and use of, as photoconductor, in electrophotog. photoreceptor)

RN 117648-60-9 HCAPLUS

CN 3-Thiazolidineacetic acid, 5-[[4-(diethylamino)phenyl]methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



L12 ANSWER 6 OF 10 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1990:94609 HCAPLUS
DOCUMENT NUMBER: 112:94609
TITLE: Chromogenic substituted arylethene derivatives as substrates for hydrolytic enzyme assays
INVENTOR(S): Richardson, Anthony Charles; Smith, Brian Vellender; Price, Robert Graham; Praill, Percy Francis George
PATENT ASSIGNEE(S): King's College London, UK
SOURCE: PCT Int. Appl., 34 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

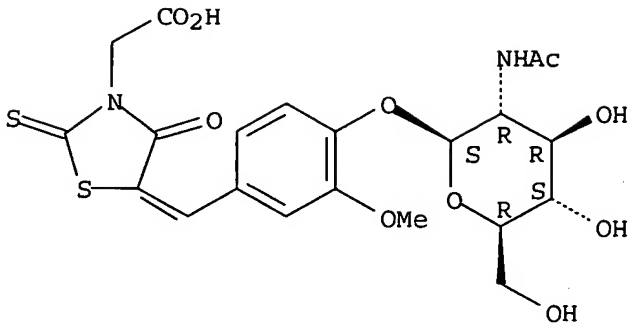
PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 8902473	A1	19890323	WO 1988-GB737		19880907 <--
W: AU, JP, US					
RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE					
AU 8823801	A1	19890417	AU 1988-23801		19880907 <--
EP 375723	A1	19900704	EP 1988-907722		19880907 <--
EP 375723	B1	19940323			
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE					
JP 03500123	T2	19910117	JP 1988-507241		19880907 <--
AT 103342	E	19940415	AT 1988-907722		19880907 <--
US 5221606	A	19930622	US 1990-466425		19900308 <--
PRIORITY APPLN. INFO.:			GB 1987-21302	A	19870910
			EP 1988-907722	A	19880907
			WO 1988-GB737	A	19880907

OTHER SOURCE(S): MARPAT 112:94609

AB A series of compds. of the general formula X-aryl-(CR1=CR2)n-heterocycle (where X = O,NR3; R1,R2,R3 = any suitable group, n = 0-3; heterocycle = any heterocycle that extends electron delocalization from the aryl group) are described. The hydrolysis products of these compds. are colored (some of them intensely) and many of them are water-soluble making them suitable as precursors for chromogenic enzyme substrates. Appropriate stopping and color-development buffers that use basic acetone/water mixts. that make these compds. suitable for use in assay kits or dipstick tests are described. 3-(4-Carboxyphenyl)-5-(3,5-dimethoxy-4-propanoyloxyphenylmethylene)-2-thioxothiazolidin-4-one was prepared by the action of syringaldehyde propionate on 3-(4-carboxyphenyl)-2-thioxothiazolidin-4-one. The ester could be cleaved by carboxyesterase to yield a phenol with λmax = 535 nm, ε = 20,000. By using the appropriate esters of syringaldehyde the corresponding butanoate, acetate, nonanoate, and benzoate were also prepared and found to be esterase substrates with the nonanoate also showing some activity as a lipase substrate. Solubility in water was moderate.

IT **125261-87-2**
RL: BIOL (Biological study)
(chromogenic substrate for acetylglucosaminidase)
RN 125261-87-2 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[[4-[[2-(acetylamino)-2-deoxy-β-D-glucopyranosyl]oxy]-3-methoxyphenyl]methylene]-4-oxo-2-thioxo-, monoammonium salt (9CI) (CA INDEX NAME)

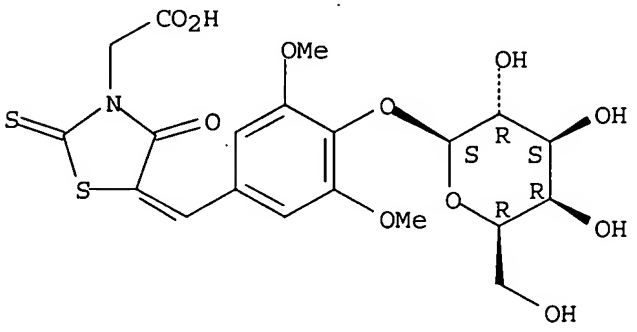
Absolute stereochemistry.
Double bond geometry unknown.



● NH_3

IT **125261-91-8P**
RL: PRP (Properties); PREP (Preparation)
(preparation and properties of)
RN 125261-91-8 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[[4-(β-D-galactopyranosyloxy)-3,5-dimethoxyphenyl]methylene]-4-oxo-2-thioxo-, monoammonium salt (9CI) (CA INDEX NAME)

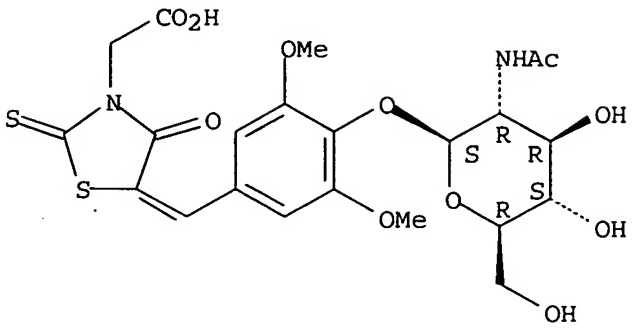
Absolute stereochemistry.
Double bond geometry unknown.



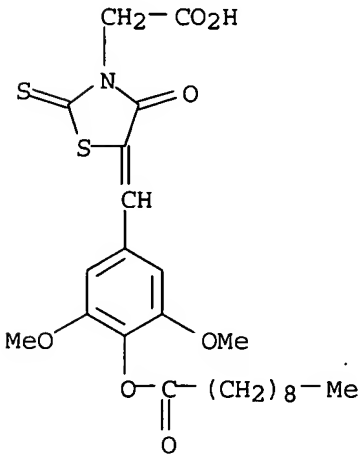
● NH_3

IT **125261-89-4P**
RL: PRP (Properties); PREP (Preparation)
(preparation and properties of, chromogenic substrate for acetylglucosaminidase)
RN 125261-89-4 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[[4-[[2-(acetylamino)-2-deoxy-β-D-glucopyranosyl]oxy]-3,5-dimethoxyphenyl]methylene]-4-oxo-2-thioxo-, monoammonium salt (9CI) (CA INDEX NAME)

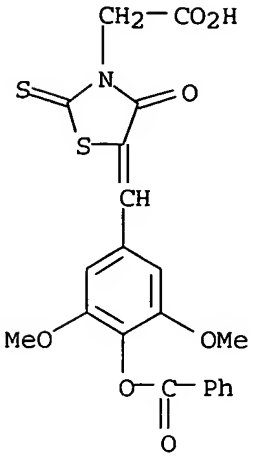
Absolute stereochemistry.
Double bond geometry unknown.



IT **125261-99-6P 125262-00-2P**
RL: PREP (Preparation)
(preparation of, as chromogenic lipase substrate)
RN 125261-99-6 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[[3,5-dimethoxy-4-[(1-oxodecyl)oxy]phenyl]methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)

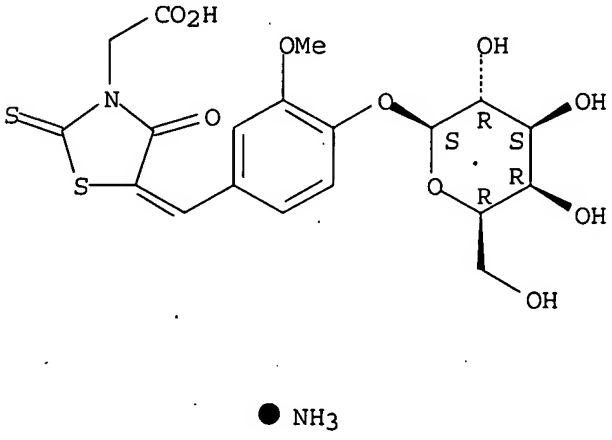


RN 125262-00-2 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[[4-(benzoyloxy)-3,5-dimethoxyphenyl]methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)

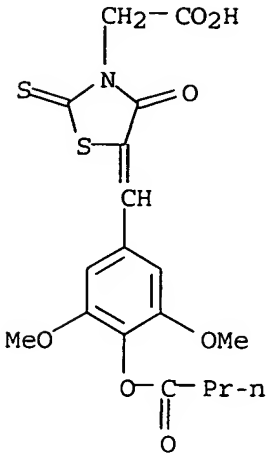


IT **125261-90-7P**
RL: PREP (Preparation)
(preparation of, as substrate for galactosidase)
RN 125261-90-7 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[[4-(β-D-galactopyranosyloxy)-3-methoxyphenyl]methylene]-4-oxo-2-thioxo-, monoammonium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



IT **125261-97-4P**
RL: PREP (Preparation)
(preparation of, chromogenic esterase substrate)
RN 125261-97-4 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[[3,5-dimethoxy-4-(1-oxobutoxy)phenyl]methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



L12 ANSWER 7 OF 10 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1990:88272 HCAPLUS
DOCUMENT NUMBER: 112:88272
TITLE: Electrophotographic photoconductive materials comprising a rhodanine derivative and a halogen-containing polymer
INVENTOR(S): Nishiguchi, Toshihiko
PATENT ASSIGNEE(S): Mita Industrial Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: **Patent**
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 5
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01142650	A2	19890605	JP 1987-301716	19871130 <--
JP 05020736	B4	19930322		
US 4885369	A	19891205	US 1988-278237	19881130 <--

PRIORITY APPLN. INFO.:

JP 1987-301706	A	19871130
JP 1987-301716	A	19871130
JP 1987-301721	A	19871130
JP 1987-301722	A	19871130
JP 1987-301723	A	19871130

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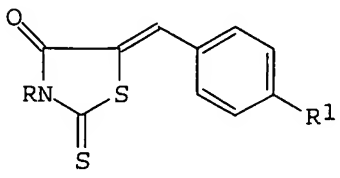


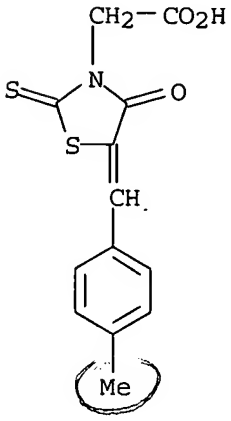
I

AB Electrophotog. photoconductive materials comprise a rhodanine derivative I [R = (substituted) alkyl, aralkyl, aryl, or amino; R1 = C1-6 alkyl, OH] and a

halo-containing polymer. The materials have no charge-generating pigment and exhibit good photocond. toward visible light. Thus, an Al substrate was coated with a composition containing I (R = CH2CO2H; R 1 = Me) 50 and Saran [II; poly(vinylidene chloride)] 100 parts to give a photoreceptor, which showed high sensitivity, compared to a control containing polycarbonate resin in place of II.

IT **82158-68-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and use of, as photoconductor, for electrophotog. photoreceptor)

RN 82158-68-7 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[(4-methylphenyl)methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)

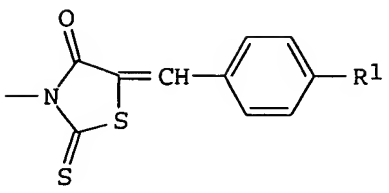


L12 ANSWER 8 OF 10 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1990:28127 HCAPLUS
DOCUMENT NUMBER: 112:28127
TITLE: Rhodanine-containing electrophotographic photoconductor
INVENTOR(S): Nishiguchi, Toshihiko; Yamamura, Mika
PATENT ASSIGNEE(S): Mita Industrial Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: **Patent**
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 10
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
JP 01173044	A2	19890707	JP 1987-333452		19871228	<--
US 4965155	A	19901023	US 1988-279083		19881202	<--
PRIORITY APPLN. INFO.:			JP 1987-308178	A	19871203	
			JP 1987-321033	A	19871217	
			JP 1987-321034	A	19871217	
			JP 1987-322308	A	19871218	
			JP 1987-322309	A	19871218	
			JP 1987-333451	A	19871228	
			JP 1987-333452	A	19871228	
			JP 1987-333453	A	19871228	

JP 1987-333454 A 19871228
JP 1987-333455 A 19871228

GI



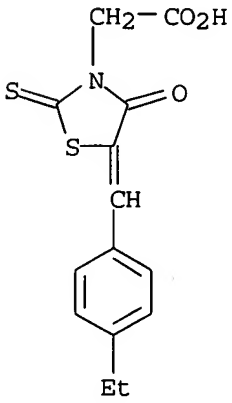
I

AB The title photoconductor has a charge-generator comprising a chain mol. polymer regularly branched with a rhodanine group I (R1 = OH, C1-6 alkyl) which is contained in a layer having a charge-transporting material or in another layer laminated below a layer comprising a dispersion or a solution of a charge-transporting material and a binder resin. Thus, 3-carboxymethyl-5-(p-ethylbenzylidene)rhodanine from 3-carboxymethylrhodanine and p-ethylbenzaldehyde was treated with p-chloromethylstyrene to give a monomer, which was polymerized to give a charge generator. Then, a composition comprising the charge generator, N,N-diethylaminobenzaldehyde N',N'-diphenylhydrazone, and THF was applied onto an Al sheet and heated to give the title photoconductor showing improved smoothness and wear resistance.

IT **124347-15-5**
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, charge generating agent from, for electrophotog. photoconductor)

RN 124347-15-5 HCAPLUS

CN 3-Thiazolidineacetic acid, 5-[(4-ethylphenyl)methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)

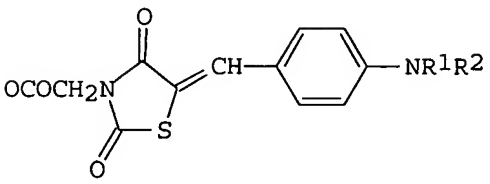


L12 ANSWER 9 OF 10 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1989:644286 HCAPLUS
DOCUMENT NUMBER: 111:244286
TITLE: Rhodanine-containing electrophotographic photoconductor
INVENTOR(S): Nishiguchi, Toshihiko; Yamamura, Mika

PATENT ASSIGNEE(S): Mita Industrial Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: **Patent**
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 10
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
JP 01147463	A2	19890609	JP 1987-308178		19871203	<--
US 4965155	A	19901023	US 1988-279083		19881202	<--
PRIORITY APPLN. INFO.:			JP 1987-308178	A	19871203	
			JP 1987-321033	A	19871217	
			JP 1987-321034	A	19871217	
			JP 1987-322308	A	19871218	
			JP 1987-322309	A	19871218	
			JP 1987-333451	A	19871228	
			JP 1987-333452	A	19871228	
			JP 1987-333453	A	19871228	
			JP 1987-333454	A	19871228	
			JP 1987-333455	A	19871228	

OTHER SOURCE(S): CASREACT 111:244286
GI

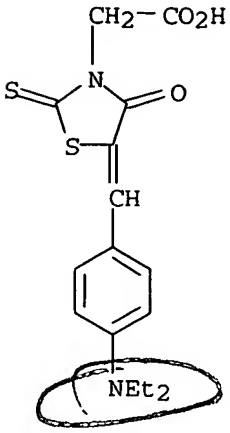


I

AB The title photoconductor has a charge-generator comprising a chain mol. polymer branched with a rhodanine group I [R1, R2 = H, alkyl, (substituted) aryl], which is contained in a layer having a charge-transporting material or in another layer laminated below a layer comprising a dispersion or solution of a charge-transporting material and a binder resin. Thus, chloromethylated polystyrene was treated with 3-carboxymethyl-5-(p-diethylaminobenzylidene)rhodanine to give a charge generator, which was blended with N,N-diethylaminobenzaldehyde N',N'-diphenylhydrazone, and THF then the resulting composition was applied onto an Al sheet and heated to give the title photoconductor showing improved smoothness and wear resistance.

IT **117648-60-9D**, reaction products with polymers
RL: USES (Uses)
(electrophotog. photoconductor containing, with improved smoothness and wear resistance)

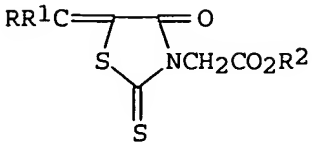
RN 117648-60-9 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[[4-(diethylamino)phenyl]methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



L12 ANSWER 10 OF 10 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1982:423781 HCAPLUS
DOCUMENT NUMBER: 97:23781
TITLE: Rhodanine derivatives and an aldose reductase inhibitor containing the rhodanine derivatives as active ingredients
INVENTOR(S): Tadao, Tanouchi; Masanori, Kawamura; Akio, Ajima; Tetsuya, Mohri; Masaki, Hayashi; Hiroshi, Terashima; Fumio, Hirata; Takeshi, Morimura
PATENT ASSIGNEE(S): Ono Pharmaceutical Co., Ltd. , Japan
SOURCE: Eur. Pat. Appl., 50 pp.
CODEN: EPXXDW
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
EP 47109	A1	19820310	EP 1981-303816	19810821	<--
EP 47109	B1	19850102			
R: CH, DE, FR, GB, IT					
JP 57040478	A2	19820306	JP 1980-115641	19800822	<--
JP 62051955	B4	19871102			
US 4464382	A	19840807	US 1981-292076	19810812	<--
JP 60156387	A2	19850816	JP 1984-255576	19841205	<--
JP 63024974	B4	19880523			
US 4791126	A	19881213	US 1987-96808	19870910	<--
US 4831045	A	19890516	US 1987-96091	19870910	<--
PRIORITY APPLN. INFO.:			JP 1980-115641	A 19800822	
			US 1981-292076	A3 19810812	
			US 1984-591753	A1 19840321	

OTHER SOURCE(S): CASREACT 97:23781
GI



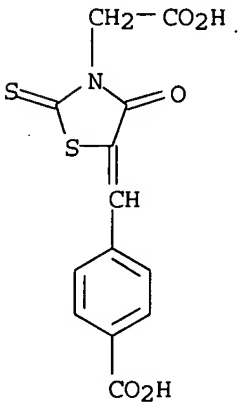
I

AB Rhodanines I [RR1 = (CH2)4, (CH2)5; R = H, R1 = cycloalkyl, cycloalkenyl, anthryl, naphthyl, Ph, substituted Ph, (un)substituted heterocyclic, (un)substituted CH:CHPh, C.tplbond.CPh; R, R1 = Ph, substituted Ph; R2 = H, alkyl, aralkyl, cycloalkyl, aryl] were prepared Thus 699 mg I (R = R2 = H, R1 = Ph) was obtained by treating 955 mg 3-carboxymethylrhodanine with 637 mg PhCHO. I have aldose reductase-inhibiting activity at 10-5-10-6M in vitro. At 100 mg/kg day for 2 wk orally I (R = R2 = H, R1 = Ph) protected streptozotocinized rats from nerve damage.

IT **29947-14-6P 82158-54-1P 82158-55-2P**
82158-58-5P 82158-59-6P 82158-63-2P
82158-66-5P 82158-67-6P 82158-68-7P
82158-76-7P 82158-97-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

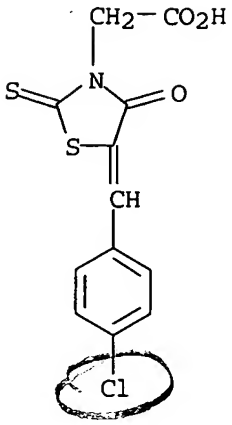
RN 29947-14-6 HCAPLUS

CN 3-Thiazolidineacetic acid, 5-[(4-carboxyphenyl)methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)

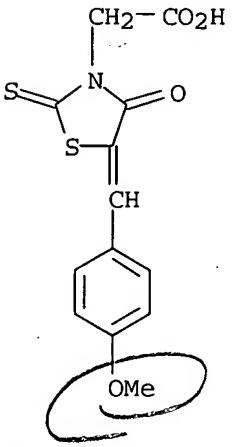


RN 82158-54-1 HCAPLUS

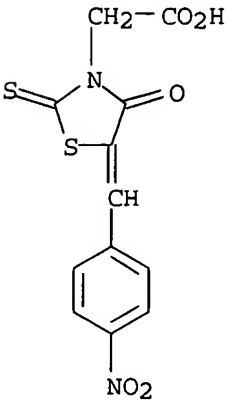
CN 3-Thiazolidineacetic acid, 5-[(4-chlorophenyl)methylene]-4-oxo-2-thioxo- (9CI). (CA INDEX NAME)



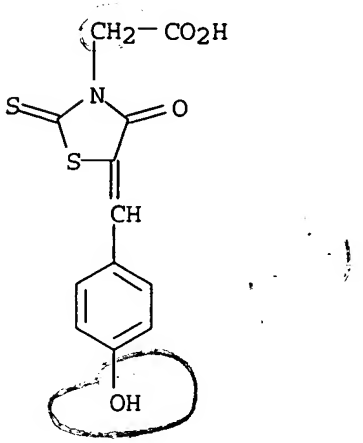
RN 82158-55-2 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[(4-methoxyphenyl)methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



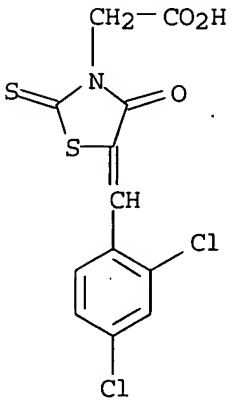
RN 82158-58-5 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[(4-nitrophenyl)methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



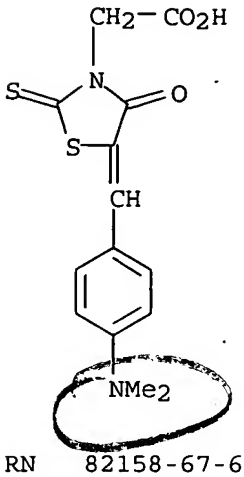
RN 82158-59-6 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[(4-hydroxyphenyl)methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



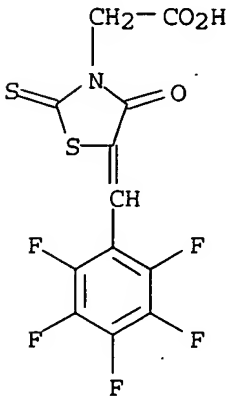
RN 82158-63-2 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[(2,4-dichlorophenyl)methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



RN 82158-66-5 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[[4-(dimethylamino)phenyl]methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



RN 82158-67-6 HCAPLUS
CN 3-Thiazolidineacetic acid, 4-oxo-5-[(pentafluorophenyl)methylene]-2-thioxo- (9CI) (CA INDEX NAME)



RN 82158-68-7 HCAPLUS
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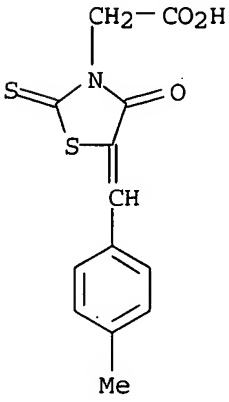
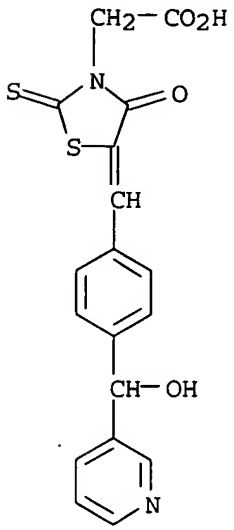
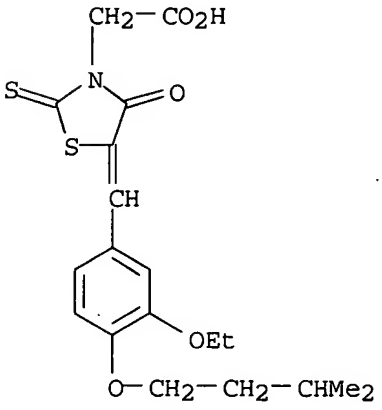


RN 82158-76-7 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[[4-(hydroxy-3-pyridinylmethyl)phenyl]methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



RN 82158-97-2 HCAPLUS
CN 3-Thiazolidineacetic acid, 5-[[3-ethoxy-4-(3-methylbutoxy)phenyl]methylene]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)



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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	160.41	486.29
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-21.17	-21.17

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